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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences
Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences
Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées
Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires
Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 1, 2017

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1792***
For each additional sheet over 30	**$20**
3. International Search Fee	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 1 janvier 2017

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1792 $***
Pour chaque feuille au delà de 30	**20 $**
3. Taxe de recherche internationale	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$269**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

- **$269** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$404** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**269 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

- **269 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **404 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (**publications.mail@wipo.int**) or visit their Web site (**www.wipo.int**).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (**publications.mail@wipo.int**) ou visiter leur site Web (**www.wipo.int**).

13. Practice Notice

STATUTORY HOLIDAYS *(DIES NON)*

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office (CIPO) practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

Time limits under the *Patent, Trade-marks, Industrial Design, Copyright* and *Integrated Circuit Topography Acts*

In accordance with section 26 of the *Interpretation Act*, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Industry Canada regional office; or a Registered Mail establishment) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

Operationally, CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that they are properly entitled to any needed extension of the time limit.

Time limits under the *Patent* and *Trade-marks Acts*

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the *Patent Act* and subsection 66(1) of the *Trade-marks Act*, any patent or trade-mark time limit that expires on a day when the Patent and Trade-marks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered. No equivalent provisions exist under the *Industrial Design, Copyright or Integrated Circuit Topography Acts*.

13. Énoncé de pratique

JOURS FÉRIÉS (*DIES NON*)

Nota : *Le présent avis a pour objet de fournir une orientation pour les pratiques et l'interprétation à l'Office de la propriété intellectuelle du Canada (OPIC) touchant les lois pertinentes. Toutefois, en cas d'incohérence entre cet avis et la loi applicable, il faut se reporter à la loi.*

Délais prévus dans *les lois régissant les brevets, les marques de commerce, les dessins industriels, le droit d'auteur* et *les topographies de circuits intégrés*

Selon l'article 26 de la *Loi d'interprétation*, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Industrie Canada ou un établissement de Courrier recommandé) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris un télécopieur, seraient réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. En conséquence, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Délais prévus dans la *Loi sur les brevets* et dans la *Loi sur les marques de commerce*

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la *Loi sur les brevets* et 66(1) de la *Loi sur les marques de commerce* stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés. Il n'existe pas de disposition du genre dans la *Loi sur les dessins industriels*, la *Loi sur le droit d'auteur* ou la *Loi sur les topographies de circuits intégrés*.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the *Regulations under the PCT* provides:

"If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

on which such Office or organization is not open to the public for the purposes of the transaction of official business;
on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; the period shall expire on the next subsequent day on which none of the said four circumstances exists."

CIPO takes the position that section 26 of the *Interpretation Act* applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO however takes no position as to whether such extensions would be recognized by other countries and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the *Regulations under the PCT* or some other applicable law.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du *Règlement d'exécution du PCT* prévoit ce qui suit :

"Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus."

L'OPIC estime que l'article 26 de la *Loi d'interprétation* s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du *Règlement d'exécution du PCT* ou d'une autre loi pertinente.

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après ne sont pas des jours fériés pour l'administration fédérale, mais ils sont des jours fériés dans au moins une province ou territoire :

1) **Alberta:** 3rd Monday in February (Alberta Family Day)
2) **British Columbia:** 1st Monday in August (British Columbia Day)
3) **New Brunswick:** 1st Monday in August (New Brunswick Day)
4) **Nova Scotia:** 1st Monday in August (Civic Holiday)
5) **Ontario:** 3rd Monday in February (Ontario Family Day) 1st Monday in August (Civic Holiday)
6) **Quebec:** June 24 (St. John the Baptist Day)
7) **Saskatchewan:** 1st Monday in August (Saskatchewan Day)
8) **Yukon:** 3rd Monday in August (Discovery Day) When Patent and Trade-marks Offices are closed for business

1) **Alberta** : 3e lundi de février (Jour de la Famille de l'Alberta)
2) **Colombie-Britannique** : 1er lundi d'août (Fête de la Colombie-Britannique)
3) **Nouveau-Brunswick** : 1er lundi d'août (Fête du Nouveau-Brunswick)
4) **Nouvelle-Écosse** : 1er lundi d'août (congé statutaire)
5) **Ontario** : 3e lundi de février (Jour de la Famille de l'Ontario) 1er lundi d'août (congé statuaire)
6) **Québec** : 24 juin (Saint-Jean-Baptiste)
7) **Saskatchewan** : 1er lundi d'août (Fête de la Saskatchewan)
8) **Yukon** : 3e lundi d'août (Jour de la Découverte) Jours de fermeture au public des bureaux des brevets et des marques de commerce

For the purposes of subsection 78(1) of the *Patent Act* and subsection 66(1) of the *Trade-marks Act*, the Patent and Trade-marks Offices are closed for business on the following days:

All Saturdays and Sundays
*New Year's Day (Jan. 1)
Good Friday
Easter Monday
Victoria Day - First Monday immediately preceding May 25
*St. John the Baptist Day (June 24)
*Canada Day (July 1)
Labour Day - First Monday in September
Thanksgiving Day - Second Monday in October
*Remembrance Day (November 11)
*Christmas Day (December 25)
Boxing Day (December 26)

If December 26 falls on a Saturday, the Patent and Trade-marks Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Patent and Trade-marks Offices will be closed on the following Monday.

Pour l'application des paragraphes 78(1) de la *Loi sur les brevets* et 66(1) de la *Loi sur les marques de commerce*, les bureaux des brevets et des marques de commerce sont fermés au public les jours suivants :

Tous les samedi et dimanche
*Jour de l'An (1er janvier)
Vendredi Saint
Lundi de Pâques
Fête de Victoria - premier lundi précédant immédiatement le 25 mai
*Saint-Jean-Baptiste (le 24 juin)
*Fête du Canada (1er juillet)
Fête du travail - premier lundi de septembre
Jour de l'Action de grâces - deuxième lundi d'octobre
*Jour du souvenir (11 novembre)
*Jour de Noël (25 décembre)
L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux des brevets et des marques de commerce seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

14. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

14. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the Offices.

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée (en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

15. Correspondence Procedures

May 24, 2016

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

For the purposes of sections 5 and 54 of the *Patent Rules*, section 3 of the *Trade-marks Regulations*, section 2 of the *Copyright Regulations*, section 3 of the *Industrial Design Regulations* and section 3 of the *Integrated Circuit Topography Regulations*, the address of the Patent Office, the Office of the Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the *Patent Act* for obtaining a filing date, the documents will be returned to the sender.

Note regarding Fee Payment Forms: The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

15. Procédures de correspondance

le 24 mai, 2016

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance .

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

Aux fins des articles 5 et 54 des *Règles sur les brevets*, de l'article 3 du *Règlement sur les marques de commerce*, de l'article 2 du *Règlement sur le droit d'auteur*, de l'article 3 du *Règlement sur les dessins industriels* et de l'article 3 du *Règlement sur les topographies de circuits intégrés*, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus pendant les heures normales d'ouverture sera réputée reçue le jour de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la *Loi sur les brevets* pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Note concernant le formulaire de paiements: Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1. Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the *Patent Rules*, subsection 3(4) of the *Trade-marks Regulations*, subsection 2(4) of the *Copyright Regulations*, subsection 3(4) of the *Industrial Design Regulations* and subsection 3(4) of the *Integrated Circuit Topography Regulations*, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Industry Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 613-952-2268

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Industry Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6
   Tel.: 514-496-1797
   Toll-free: 1 888 237-3037

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Industry Canada
   151 Yonge Street, 4th Floor
   Toronto ON M5C 2W7
   Tel.: 416-973-5000

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Industry Canada
   Canada Place
   9700 Jasper Avenue, Suite 725
   Edmonton AB T5J 4C3
   Tel.: 780-495-4782
   Toll-free: 1 800 461-2646

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Industry Canada
   Library Square
   300 West Georgia Street, Suite 2000
   Vancouver BC V6B 6E1
   Tel.: 604-666-5000

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which

1. Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des *Règles sur les brevets*, du paragraphe 3(4) du *Règlement sur les marques de commerce*, du paragraphe 2(4) du *Règlement sur le droit d'auteur*, du paragraphe 3(4) du *Règlement sur les dessins industriels* et du paragraphe 3(4) du *Règlement sur les topographies de circuits intégrés*, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Industrie Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 613-952-2268

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Industrie Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6
   Tél. : 514-496-1797
   Sans frais : 1-888-237-3037

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Industrie Canada
   151, rue Yonge, 4e étage
   Toronto (Ontario) M5C 2W7
   Tél. : 416-973-5000

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Industrie Canada
   Canada Place
   9700, avenue Jasper, pièce 725
   Edmonton (Alberta) T5J 4C3
   Tél. : 780-495-4782
   Sans frais : 1-800-461-2646

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Industrie Canada
   Library Square
   300, rue Georgia Ouest, pièce 2000
   Vancouver (C.-B.) V6B 6E1
   Tél. : 604-666-5000

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date.

CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. If, for example, correspondence intended for the Patent Office is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as this is a day on which CIPO is closed for business.

Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, le courrier destiné au Bureau des brevets et livré le 24 juin à l'établissement désigné à Toronto ne se verra pas attribuer cette date de réception puisque l'OPIC est alors fermé au public.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

2. *Registered Mail™* and *Xpresspost™* Service of Canada Post

For the purposes of subsections 5(4) and 54(3) of the *Patent Rules*, subsection 3(4) of the *Trade-mark Regulations*, subsection 2(4) of the *Copyright Regulations*, subsection 3(4) of the *Industrial Design Regulations* and subsection 3(4) of the *Integrated Circuit Topography Regulations*, the *Registered Mail ™* and *Xpresspost™* services of Canada Post are designated establishment or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the *Registered Mail ™* and *Xpresspost™* services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

2. Service *Courrier recommandé MC* et *Xpresspost MC* de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des *Règles sur les brevets*, du paragraphe 3(4) du *Règlement sur les marques de commerce*, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du *Règlement sur les dessins industriels* et du paragraphe 3(4) du *Règlement sur les topographies de circuits intégrés*, les services *Courrier recommandé MC* et *Xpresspost MC* de Postes Canada sont des établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise des services *Courrier recommandé MC* et *Xpresspost MC* de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

3. Electronic Correspondence

In accordance with section 8.1 of the *Patent Act*, and for the purposes of subsections 5(6), 54(5), and 68(3) of the *Patent Rules*, subsection 3(6) of the *Trade-marks Regulations*, subsection 2(6) of the *Copyright Regulations*, subsection 3(6) of the *Industrial Design Regulations*, and subsection 3(6) of the *Integrated Circuit Topography Regulations*, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online via CIPO's Web site or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the *Patent Rules*, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the

3. Correspondance électronique

Conformément à l'article 8.1 de la *Loi sur les brevets* et aux fins des paragraphes 5(6), 54(5) et 68(3) des *Règles sur les brevets*, du paragraphe 3(6) du *Règlement sur les marques de commerce*, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du *Règlement sur les dessins industriels* et du paragraphe 3(6) du *Règlement sur les topographies de circuits intégrés*, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne sur le site web de l'OPIC ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des *Règles sur les brevets*, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à

national phase will not be accepted.

des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Subsection 3(9) of the *Trade-marks Regulations* specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Le paragraphe 3(9) du *Règlement sur les marques de commerce* prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

3.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

819-953-CIPO (953-2476) or
819-953-OPIC (953-6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

3.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (953-6742) ou
819-953-CIPO (953-2476)

La correspondance par télécopieur qui est transmise à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevez après votre envoi par télécopieur constituera votre accusé de réception de l'envoie. La confidentialité du processus de transmission par télécopieur ne peut pas être garantie.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Patents

The document presentation requirements set out in sections 69 and 70 of the *Patent Rules* apply to facsimile correspondence.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des *Règles sur les brevets* s'appliquent à la correspondance par télécopieur.

3.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically via CIPO's Web site.

3.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique sur le site Web de l'OPIC.

Patents

For the purpose of subsection 5(6) of the *Patent Rules*, the following correspondence with the Patent Office may be sent electronically via CIPO's web site by accessing the following web pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe and ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register of patent agents;
- ordering copies in paper, or electronic form of a document.

Canada as Receiving Office Under the PCT: PCT-SAFE and ePCT

Pursuant to PCT Rule 89*bis*, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT e-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Trade-marks

For the purpose of subsection 3(6) of the *Trade-marks Regulations*, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically via CIPO's Web site, by accessing the following web pages:

- filing a new or revised trade-mark application;
- renewal of a trade-mark registration;
- request to enter a name on the list of trade-mark agents;
- annual renewal of a trade-mark agent;
- requesting copies of trade-mark documents;
- filing of a declaration of use;
- registration of a trade-mark application; and
- statement of Opposition; and
- extensions of time in trade-mark opposition cases.

Brevets

Aux fins du paragraphe 5(6) des *Règles sur les brevets*, la correspondance suivante destinée au Bureau des brevets peut être envoyés par voie électronique au moyen du site Web de l'OPIC, notamment par les pages Web suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe et ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Le Canada comme office récepteur au titre du PCT: PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Marques de commerce

Aux fins du paragraphe 3(6) du *Règlement sur les marques de commerce*, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être transmise par voie électronique sur le site Web de l'OPIC notamment par les pages Web suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce.
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the *Copyright Regulations*, the following correspondence addressed to the Copyright Office may be sent electronically via CIPO's Web site, by accessing the following web pages:

- application for registration of a copyright in a work.
- application for registration of a copyright in a performer's performance, sound recording or a communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Droits d'auteur

Aux fins du paragraphe 2(6) du *Règlement sur le droit d'auteur*, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre.
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 3(6) of the *Industrial Design Regulations*, the following correspondence addressed to the Commissioner of Patents may be sent electronically via CIPO's web site, by accessing the following web pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Aux fins du paragraphe 3(6) du *Règlement sur les dessins industriels*, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the *Integrated Circuit Topography Regulations*, the following correspondence addressed to the Registrar of Topographies may be sent electronically via CIPO's web site, by accessing the following web pages:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits integers

Topographies de circuits intégrés
Aux fins du paragraphe 3(6) du *Règlement sur les topographies de circuits intégrés*, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web suivantes :

- correspondance générale relative aux topographies de circuits intégrés.

3.3 Electronic Medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements

3.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande.

prescribed in the *Patent Rules* still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the *Patent Rules*, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to *PCT Rules* 89*bis* and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing

Les exigences relatives à la date de dépôt énoncées dans les *Règles sur les brevets* resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des *Règles sur les brevets*, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

Le Canada comme office récepteur au titre du PCT: Dépôt électronique des listages de séquences

Conformément aux *Règles* 89bis et 89ter *du PCT* et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des

fee, refer to Section 7 of the PCT Administrative Instructions.

séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationaleale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

4. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the *Patent Act*, and for the purposes of subsections 5(6), 54(5), and 68(3) of the *Patent Rules*, the acceptable file formats for documents submitted electronically via the web site or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the *Patent Rules*, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black & white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;

4. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la *Loi sur les brevets* et aux fins des paragraphes 5(6), 54(5) et 68(3) des *Règles sur les brevets*, les formats de fichiers acceptables pour les documents présentés par voie électronique sur le site Web ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des *Règles sur les brevets*, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc;
- Résolution : 300 ou 400 ppp;
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF :

- Compatible avec Adobe Portable Document Format Version 1.4;
- Texte non comprimé, pour faciliter la recherche;
- Texte non chiffré;

- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII Format:

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Industrial Design

For the purposes of subsections 3(6) and 12(3) of the *Industrial Design Regulations*, the acceptable file formats for documents submitted electronically via the web site are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi.

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi.

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database.

5. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

- Pas d'objets OLE incorporés;
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

Format ASCII :

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du *Règlement sur les dessins industriels*, les formats de fichiers acceptables pour les documents présentés électroniquement par le site Web sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc;
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po;
- Résolution : 300 ppp.

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris);
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po;
- Résolution : 300 ppp.

Pour toutes les images soumises dans différents formats, le bureau peut imprimer les images et les balayer par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données.

5. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

16. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of April 25, 2017 contains applications open to public inspection from April 9, 2017 to April 15, 2017.

16. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 25 avril 2017 contient les demandes disponibles au public pour consultation pour la période du 9 avril 2017 au 15 avril 2017.

Canadian Patents Issued

April 25, 2017

Brevets canadiens délivrés

25 avril 2017

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[11] **2,438,994**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A63B 24/00 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **MODULAR PERSONAL NETWORK SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE RESEAUX PERSONNELS MODULAIRES**
[72] ELLIS, MICHAEL D., US
[72] ELLIS, CARON S., US
[73] ADIDAS AG, DE
[85] 2003-08-20
[86] 2002-02-20 (PCT/US2002/004947)
[87] (WO2002/067449)
[30] US (60/270,400) 2001-02-20

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[11] **2,455,217**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING A CAMPAIGN IN MULTIPLE COMMUNICATION CHANNELS AND COMPUTER PROGRAM PRODUCT IMPLEMENTING SAME**
[54] **METHODE ET SYSTEME DE GESTION DE CAMPAGNE SUR CANAUX DE COMMUNICATION MULTIPLES ET PROGRAMME INFORMATIQUE CONNEXE DE MISE EN OEUVRE**
[72] LAMMERS, GUIDO, DE
[72] STEIERT, MARTIN, DE
[72] GERLACH, HORST, DE
[73] SAP SE, DE
[86] (2455217)
[87] (2455217)
[22] 2004-01-15
[30] US (10/426,936) 2003-04-30

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[13] C
[51] **Int.Cl. H04N 21/2389 (2011.01) H04N 21/238 (2011.01) H04N 21/254 (2011.01)**
[25] EN
[54] **MEDIA TRANSMISSION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'EMISSION DE CONTENU MEDIA**
[72] CRICHTON, DANIEL, GB
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[85] 2004-07-14
[86] 2003-02-04 (PCT/GB2003/000489)
[87] (WO2003/067845)
[30] EP (02290253.0) 2002-02-04

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[11] **2,491,038**
[13] C
[51] **Int.Cl. C12N 15/29 (2006.01) A61K 38/16 (2006.01) A61K 39/35 (2006.01) A61K 39/36 (2006.01) A61K 48/00 (2006.01) A61P 37/08 (2006.01) C07K 14/415 (2006.01) G01N 33/68 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **DNA SEQUENCE AND PREPARATION OF GRASS POLLEN ALLERGEN PHL P4 BY RECOMBINANT METHODS**
[54] **SEQUENCE D'ADN ET PREPARATION DE L'ALLERGENE PHL P4 DU POLLEN DE PLANTES HERBACEES AU MOYEN DE PROCEDES RECOMBINANTS**
[72] FIEBIG, HELMUT, DE
[72] NANDY, ANDREAS, DE
[72] SUCK, ROLAND, DE
[72] CROMWELL, OLIVER, DE
[72] PETERSEN, ARND, DE
[72] BECKER, WOLF-MEINHARD, DE
[73] MERCK PATENT GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, DE
[85] 2004-12-23
[86] 2003-06-11 (PCT/EP2003/006092)
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[30] EP (02013953.1) 2002-06-25

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[11] **2,507,650**
[13] C
[51] **Int.Cl. B01J 19/00 (2006.01) B01F 5/06 (2006.01) B01F 13/00 (2006.01) B23K 31/02 (2006.01) F28D 9/00 (2006.01) F28F 3/04 (2006.01) F28F 13/06 (2006.01)**
[25] EN
[54] **MICROCHANNEL APPARATUS, METHODS OF MAKING MICROCHANNEL APPARATUS, AND PROCESSES OF CONDUCTING UNIT OPERATIONS**
[54] **DISPOSITIFS A MICRO-CANAUX, PROCEDES POUR REALISER DES DISPOSITIFS A MICRO-CANAUX, ET PROCEDES POUR EXECUTER DES OPERATIONS UNITAIRES**
[72] TONKOVICH, ANNA LEE, US
[72] ROBERTS, GARY, US
[72] FITZGERALD, SEAN P., US
[72] WERNER, TIMOTHY M., US
[72] SCHMIDT, MATTHEW B., US
[72] LUZENSKI, ROBERT J., US
[72] CHADWELL, G. BRADLEY, US
[72] MATHIAS, JAMES A., US
[72] GUPTA, ABHISHEK, US
[72] KUHLMANN, DAVID J., US
[72] YUSCHAK, THOMAS D., US
[73] VELOCYS, INC., US
[85] 2005-05-26
[86] 2003-11-26 (PCT/US2003/037936)
[87] (WO2005/032708)
[30] US (10/306,722) 2002-11-27

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[11] **2,525,804**
[13] C
[51] **Int.Cl. A61K 38/51 (2006.01)**
[25] EN
[54] **USE OF CHONDROITINASE ABC ENZYME FOR THE TREATMENT OF CNS INJURIES**
[54] **UTILISATION DE L'ENZYME CHONDROITINASE ABC POUR LE TRAITEMENT DE LESIONS DU SYSTEME NERVEUX CENTRAL**
[72] GRUSKIN, ELLIOTT A., US
[72] CAGGIANO, ANTHONY O., US
[72] ZIMBER, MICHAEL P., US
[72] BLIGHT, ANDREW R., US
[73] ACORDA THERAPEUTICS, INC., US
[85] 2005-11-14
[86] 2004-05-17 (PCT/US2004/015253)
[87] (WO2004/103299)
[30] US (60/471,236) 2003-05-16

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[13] C
[51] **Int.Cl. F24C 15/20 (2006.01)**
[25] EN
[54] **COOKING ODOR EXHAUSTER**
[54] **EXTRACTEUR D'ODEUR DE CUISSON**
[72] ROGER, JESSEY, US
[73] ROGER, JESSEY, US
[86] (2525877)
[87] (2525877)
[22] 2005-11-14
[30] US (10/986,943) 2004-11-15

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[11] **2,534,677**
[13] C
[51] **Int.Cl. H04B 7/26 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION APPARATUS AND WIRELESS COMMUNICATION METHOD**
[54] **APPAREIL DE COMMUNICATION SANS FIL ET METHODE DE COMMUNICATION SANS FIL**
[72] NISHIO, AKIHIKO, JP
[72] CHENG, JUN, JP
[73] OPTIS WIRELESS TECHNOLOGY, LLC, US
[85] 2006-02-03
[86] 2004-08-04 (PCT/JP2004/011499)
[87] (WO2005/015801)
[30] JP (2003-288162) 2003-08-06

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[11] **2,536,749**
[13] C
[51] **Int.Cl. G01N 23/203 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **AN APPARATUS AND A METHOD OF VISUALIZING TARGET OBJECTS IN A FLUID-CARRYING PIPE**
[54] **APPAREIL ET PROCEDE DE VISUALISATION D'OBJETS CIBLES DANS UN TUYAU TRANSPORTANT UN FLUIDE**
[72] TEAGUE, PHIL, NO
[72] RAMSTAD, EINAR, NO
[73] VISURAY TECHNOLOGY LTD, MT
[85] 2006-02-23
[86] 2004-08-26 (PCT/NO2004/000252)
[87] (WO2005/022133)
[30] NO (20033832) 2003-08-29
[30] NO (20043504) 2004-08-23

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[13] C
[51] **Int.Cl. G01N 33/53 (2006.01)**
[25] EN
[54] **BREAST CANCER PROGNOSTICS**
[54] **PRONOSTICS DE CANCER DU SEIN**
[72] WANG, YIXIN, US
[73] VERIDEX, LLC, US
[85] 2006-08-18
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[54] **APPAREIL ET METHODE DE CAPTURE DE MOUVEMENTS PAR PARCOURS ALEATOIRE SUR DES SURFACES DE CAPTURE**
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[54] **COMPOSITIONS DE SOIN PERSONNEL PEU IRRITANTES RENFERMANT UN POLYMERE A FAIBLE POIDS MOLECULAIRE ET UN SURFACTANT ET METHODES DE FABRICATION ASSOCIEES**
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[54] **UN APPAREIL ET UNE METHODE DE REPERAGE ET DE MARQUAGE DE BALLOTS DE MATERIAU EN VRAC COMME DES BALLOTS DE FOURRAGE QUI ONT DES CARACTERISTIQUES PARTICULIERES**
[72] KELLY, RICHARD KINGSWOOD, AU
[72] WILLIAMS, RAYMOND CHARLES, AU
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[54] **SYSTEME ET METHODE DE SELECTION ET DE DELIVRANCE D'ANNONCES A BASE D'ACTIVITE MULTIPLATEFORME**
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[54] **PROCEDES ET COMPOSITIONS APPARENTES A DES RECEPTEURS DE LYMPHOCYTES VARIABLES MONOCLONAUX SOLUBLES D'UNE SPECIFICITE ANTIGENIQUE DEFINIE**
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[54] **TETE DE COUPE ROTATIVE UNIVERSELLE AVEC DISPOSITIF DE RETRO-SERRAGE, DIMENSIONS DE COUPE CONSTANTES ET PIECES RAPPORTEES A POIDS CONSTANT POUVANT ETRE MEULEES DE NOUVEAU**
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[72] GAUTHIER, YVON, CA
[72] GREENDALE, MARTIN, CA
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[54] **PROCEDE ET SYSTEME POUR ASSURER LE CALIBRAGE D'UN DETECTEUR D'ANALYTE DANS UN SYSTEME DE CONTROLE D'ANALYTE**
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[54] **SYSTEME DE PANNEAUX MURAUX AVEC ATTACHES A CROCHET**
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[72] FONTAINE, CHELSEY, US
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[54] **ANTAGONISTES DE RECEPTEURS OPIOIDES PERIPHERIQUES, ET LEURS UTILISATIONS**
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[72] DONATO, GEORGE JOSEPH, III, US
[72] FABIAN, STEVEN, US
[72] LOKHNAUTH, JOHN, US
[72] MEGATI, SREENIVASULU, US
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[72] BRADLEY, DAVID ALLEN, US
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[54] **PROCEDE ET INTERMEDIAIRES POUR LA SYNTHESE DE COMPOSES DE 8-[{1-(3,5-BIS-(TRIFLUOROMETHYL)PHENYL)-ETHOXY}-METHYL]-8-PHENYL-1,7-DIAZA-SPIRO[4.5]DECAN-2-ONE**
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[72] SCHERER, DOMINIK HERMANN, CH
[72] HUTTENLOCH, MONIKA ERIKA, CH
[72] TSUI, HON-CHUNG, US
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[54] **PROCEDE DE MESURE DE LA POSITION SUIVANT UNE DIRECTION HORIZONTALE DU PLAN SAGITTAL D'UN POINT REMARQUABLE D'UN OEIL D'UN SUJET**
[72] CHAUVEAU, JEAN-PIERRE, FR
[73] ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE), FR
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[54] **UNE METHODE DE PURIFICATION DE PARTICULE DE TYPE NOROVIRUS COMPRENANT LA CHROMATOGRAPHIE PAR ECHANGE D'IONS**
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[73] CEQUENT PERFORMANCE PRODUCTS, INC., US
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[54] **METHODE ET APPAREILLAGE DE TRAITEMENT DES GAZ FUGITIFS DILUES**
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[73] INFINEUM INTERNATIONAL LIMITED, GB
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[54] **PROCEDE DE SYNCHRONISATION DE BOBINES D'INDUCTION FOURNI PAR LES CONVER TISSEURS DE PUISSANCE D'UNE SURFACE DE CUISSON PAR INDUCTION ET SYSTEME DE CHAUFFAGE PAR INDUCTION POUR SA MISE EN OEUVRE**
[72] GUTIERREZ, DIEGO NEFTALI, IT
[73] WHIRLPOOL CORPORATION, US
[73] TEKA INDUSTRIAL S.A., ES
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[72] MARCZYK, STANISLAW, US
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[54] **PROCEDE ET DISPOSITIF POUR OPTIMISER DES SIGNAUX MAGNETIQUES ET DETECTER LE TUBAGE ET LA RESISTIVITE**
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[54] **TECHNIQUE DE MODULATION DE RECOUVREMENT POUR SIGNAUX COFDM BASEE SUR DES DECALAGES D'AMPLITUDE**
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[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
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[72] KAMERY, CHRISTOPHER J., US
[72] CRUZ, ROBERT THEODORE, US
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[54] **COMPOSITION DE SILICE-ALUMINE AMORPHE ET PROCEDE DE FABRICATION ET D'UTILISATION**
[72] ACKERMAN, RUSSELL CRAIG, US
[72] MICHEL, CHRISTIAN GABRIEL, US
[72] SMEGAL, JOHN ANTHONY, US
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[54] **RECEPTEUR DE RADIODIFFUSION NUMERIQUE, PROCEDES DE DIFFUSION ET PROCEDES DE REPERAGE DE CONTENU SOLLICITE**
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[72] O'BRIEN, THOMAS JOSEPH, US
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[54] **SYSTEMES, DISPOSITIFS ET METHODES D'AFFICHAGE DE CODE A BARRES A UN DISPOSITIF DE CALCUL**
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[72] LITTLE, HERBERT A., CA
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[54] **UTILISATION D'ANTICORPS BETA ANTI-AMYLOIDES CONTRE LES MALADIES OCCULAIRES**
[72] PFEIFER, ANDREA, CH
[72] MUHS, ANDREAS, CH
[72] WATTS, RYAN J., US
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[54] **REVETEMENTS AUTODEGRADABLES**
[72] ESFAND, ROSEITA, CA
[72] SANTERRE, J. PAUL, CA
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[54] **PROCEDES ET SYSTEMES POUR PRODUIRE UNE TABLE DE PREDICTION DE LA QUALITE POUR UN TRANSCODAGE COMPATIBLE AVEC LA QUALITE D'IMAGES NUMERIQUES**
[72] COULOMBE, STEPHANE, CA
[72] FRANCHE, JEAN-FRANCOIS, CA
[72] PIGEON, STEVEN, CA
[73] ECOLE DE TECHNOLOGIE SUPERIEURE, CA
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[54] **FUSED THIENO OR PYRROLO PYRIMIDINE HETEROCYCLIC COMPOUNDS AND USE THEREOF AS JAK1, JAK2, AND/OR JAK3 INHIBITORS**
[54] **COMPOSES HETEROCYCLIQUES DE THIENO OU PYRROLO PYRIMIDINE FUSIONNES ET LEUR UTILISATION COMME INHIBITEURS DE JAK1, JAK2 OU JAK3**
[72] BOURKE, DAVID GERARD, AU
[72] BURNS, CHRISTOPHER JOHN, AU
[72] CUZZUPE, ANTHONY NICHOLAS, AU
[72] FEUTRILL, JOHN THOMAS, AU
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[54] **IMPROVED METHOD AND APPARATUS FOR CAPTURING AND CONTROLLING FUGITIVE GASES**
[54] **PROCEDE ET APPAREIL AMELIORES POUR CAPTURER ET CONTROLER DES GAZ DE FUITE**
[72] MALM, HOWARD, CA
[73] REM TECHNOLOGY INC., CA
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[54] **PROCEDES D'HYDROCONVERSION UTILISANT DES CATALYSEURS MULTIMETALLIQUES ET LEUR PROCEDE DE FABRICATION**
[72] MAESEN, THEODORUS, US
[72] KUPERMAN, ALEXANDER E., US
[72] O'REAR, DENNIS J., US
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[54] **NOUVEAU PROCEDE DE DETECTION DE PAPILLOMAVIRUS HUMAINS DU COL DE L'UTERUS**
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[54] **COMPOSITIONS D'ALKYLCELLULOSE ET DE SEL POUR DES APPLICATIONS DE CONTROLE DE LA POUSSIERE**
[72] BYTNAR, STEPHEN C., US
[72] TRUJILLO, JOSHUA J., US
[72] WOLFE, MARK STEVEN, US
[73] ENVIROTECH SERVICES, INC., US
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[54] **METHODE ET DISPOSITIF DE DETECTION DE LA STRUCTURE TRIDIMENSIONNELLE D'UN GRUME**
[72] GIUDICEANDREA, FEDERICO, IT
[73] MICROTEC S.R.L., IT
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[54] **SURFACE-REACTED PRECIPITATED CALCIUM CARBONATE, PROCESS TO MAKE SAME, AND USES THEREOF**
[54] **CARBONATE DE CALCIUM PRECIPITE AYANT REAGI EN SURFACE, PROCEDE POUR FABRIQUER CELUI-CI ET UTILISATIONS DE CELUI-CI**
[72] GERARD, DANIEL E., CH
[72] GANE, PATRICK A. C., CH
[72] SCHOLKOPF, JOACHIM, CH
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[54] **DISPOSITIF D'ANALYSE COMPRENANT DES ZONES DE REACTION EN SERIE**
[72] MENDEL-HARTVIG, IB, SE
[72] RUNDSTROEM, GERD, SE
[72] OEHMAN, PER OVE, SE
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[54] **SYSTEME DE TRAITEMENT DES EAUX**
[72] PARK, STUART, US
[72] GOFF, STEPHEN, US
[72] HOOPES, STEVEN, US
[72] HALEMBA, PETER, US
[73] KINETICO INCORPORATED, US
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[54] **MANIPULATEUR CHIRURGICAL**
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[72] GREGORIS, DENNIS, CA
[72] BEDNARZ, BRONISLAW, CA
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[54] **DERIVES D'ACIDE HYDROXY-BISPHOSPHONIQUE COMME VECTEUR CIBLANT LE TISSU OSSEUX**
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[72] FORTUN, YANNICK, FR
[72] HEYMANN, DOMINIQUE, FR
[72] LEBRETON, JACQUES, FR
[72] MATHE, MONIQUE, FR
[72] PADRINES, MARC, FR
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[73] CHU NANTES, FR
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[72] CICHOCKI, FRANK R., JR., US
[72] REYNOLDS, EUGENE D., US
[73] ETHICON, INC., US
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[54] **CATHETER A POSITION STABLE PENDANT L'ECHANGE DE FIL GUIDE**
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[72] MCWEENEY, SEAN, US
[72] CASTOLDI, ROBERT, US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **MANCHE D'OUTIL POUR RETENIR DE MULTIPLES OUTILS DE TAILLES DIFFERENTES EN COURS D'UTILISATION**
[72] JOHNSON, RONALD L., US
[72] GALLEGOS, ROBERT J., US
[72] ESCOBAR, STEVEN SIMAS, US
[72] HUDSON, ANDERS SCOT, US
[72] RUIZ, IDRISS MANSOURI-CHAFIK, US
[72] LOCKHART, YUGEN PATRICK, US
[72] WILSON, HOWARD ALLEN, US
[72] COLTON, ERIC M., US
[73] WAGIC, INC., US
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[54] **PROCEDE POUR PRETRAITER UN MATERIAU LIGNOCELLULOSIQUE EN VUE DE PRODUIRE DU BIOETHANOL, ET PROCEDE DE PRODUCTION DE BIOETHANOL**
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[54] **DISPOSITIF D'OCCLUSION D'UN ECOULEMENT DE FLUIDE ET PROCEDES D'UTILISATION POUR DES SYSTEMES DE TRAITEMENT MEDICAL**
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[72] DALE, JAMES D., US
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[54] **HUMIDIFICATEUR AVEC FONCTION DE DERIVATION RECONFIGURABLE SUR PLACE**
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[72] BELAND, STEPHANE JOSEPH PIERRE, CA
[72] WANG, BIN, CN
[72] ABLEITNER, JASON, US
[72] TERLSON, BRAD, US
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[54] **SYSTEME ET PROCEDE DE PRESTATION DE SERVICES DE DIAGNOSTIC**
[72] COON, MICHAEL THOMAS, US
[72] MENEFEE, RANDY L., US
[72] HUTCHINSON, DAVID NEWMAN, US
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[54] **PROCESS FOR GENERATING A HYDROCARBON FEEDSTOCK FROM LIGNIN**
[54] **PROCEDE DE GENERATION D'UNE CHARGE D'HYDROCARBURES A PARTIR DE LIGNINE**
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[72] KUPERMAN, ALEXANDER E., US
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[72] PATEL, KARTEEK HASMUKH, US
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[54] **PAPIER DE SOIE DESTINE A L'USAGE DOMESTIQUE**
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[72] ONO, KATSUMASA, JP
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[54] **METHODE POUR INTERPRETER DES ENREGISTREMENTS SISMIQUES REPETITIVES EN TENANT COMPTE DE LA BANDE DE FREQUENCE SISMIQUE DANS L'EVALUATION DES PRESSIONS DE PORE**
[72] RASOLOFOSAON, PATRICK, FR
[72] ZINSZNER, BERNARD, FR
[73] IFP ENERGIES NOUVELLES, FR
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[72] STROBEL-SCHMIDT, RAINER, DE
[72] HEFELE, CHRISTIAN, DE
[72] OSTERMEIER, PETER, DE
[72] LEDERLE, HANS PETER, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
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[72] BRUSTAD, JOHN R., US
[72] JOHNSON, GARY M., US
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[72] FORD, CHAD, US
[72] HORN, GREGORY, US
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[54] **SYSTEME D'INHALATION DE POUDRE SECHE**
[72] SMUTNEY, CHAD C., US
[72] KINSEY, P. SPENCER, US
[72] POLIDORO, JOHN M., US
[72] SAHI, CARL R., US
[72] ADAMO, BENOIT, US
[72] MCLEAN, SCOTT, US
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[54] **CENTRAL VACUUM INLET VALVE MOUNTING PLATE**
[54] **PLAQUE D'INSTALLATION DE VALVE D'ENTREE D'ASPIRATEUR CENTRAL**
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[73] CANPLAS INDUSTRIES LTD., CA
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[54] **THIAZOLOPYRIDIN-2-YLOXY-PHENYL AND THIAZOLOPYRAZIN-2-YLOXY-PHENYL AMINES AS MODULATORS OF LEUKOTRIENE A4 HYDROLASE**
[54] **AMINES DE THIAZOLOPYRIDIN-2-YLOXY-PHENYL ET DE THIAZOLOPYRAZIN-2-YLOXY-PHENYL EN TANT QUE MODULATEURS DE LEUKOTRIENE A4 HYDROLASE**
[72] BACANI, GENESIS M., US
[72] BROGGINI, DIEGO, CH
[72] CHEUNG, EUGENE Y., US
[72] CHROVIAN, CHRISTA C., US
[72] DENG, XIAOHU, US
[72] FOURIE, ANNE M., US
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[72] GRICE, CHERYL A., US
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[72] LANDRY-BAYLE, ADRIENNE M., US
[72] LEE-DUTRA, ALICE, US
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[72] MANI, NEELAKANDHA S., US
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[72] TANIS, VIRGINIA M., US
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[54] **INSTALLATION D'INJECTION DE GAZ FROID**
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[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **NOUVEAUX SYSTEMES CATALYTIQUES POUR LA (CO)POLYMERISATION DE LACTONES PAR OUVERTURE DE CYCLE**
[72] BOURISSOU, DIDIER, FR
[72] MARTIN-VACA, BLANCA, FR
[72] ALBA, AURELIE, FR
[72] CHERIF-CHEIKH, ROLAND, ES
[72] DE SOUSA DELGADO, ANNE-PAULA, ES
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[54] **AUGMENTATION OSSEUSE OBTENUE A L'AIDE DE COMPOSITIONS DE CELLULES PROGENITRICES DERIVEES DES MUSCLES ET TRAITEMENTS CORRESPONDANTS**
[72] PAYNE, THOMAS, US
[72] PRUCHNIC, RYAN, US
[72] JANKOWSKI, RONALD, US
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[54] **BLOC TASSEUR POUR RAYONNEUR**
[72] MEMORY, RUSSELL J., CA
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[72] HENRY, JIM W., CA
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[54] **PARTICULARITES DE SECURITE POUR UNE POMPE D'INFUSION MEDICALE**
[72] DEBELSER, DAVID, US
[72] BLOMQUIST, MICHAEL L., US
[73] SMITHS MEDICAL ASD, INC., US
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[54] **SEL DE FUMARATE DE 4-(3-CHLORO-2-FLUOROANILINO)-7-METHOXY-6-{[1-(N-METHYLCARBAMOYLMETHYL) PIPERIDIN-4-YL]OXY}QUINAZOLINE**
[72] BOARDMAN, KAY ALISON, GB
[72] BURNS, SUSAN ELIZABETH, GB
[72] DOBSON, ANDREW HORNBY, GB
[72] WHITLOCK, BRIAN, GB
[73] ASTRAZENECA AB, SE
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[54] **PRESENTATION DE CARACTERISTIQUES NON CREATIVES AU MOYEN D'INFORMATIONS D'ETAT D'UN DOCUMENT DANS UNE INTERFACE UTILISATEUR HORS DE L'ESPACE**
[72] DUKHON, MARINA, US
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[72] SATTERFIELD, JESSE CLAY, US
[72] ALBERTS, AMY E., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **OUTIL AGRICOLE A MONTAGE SOUPLE ET INSTRUMENT ARATOIRE CONNEXE**
[72] GRAY, GEOF J., CA
[72] AVERINK, JOHN MARK, CA
[72] ROZENDAAL, JACOBUS A., CA
[72] RODIONOV, MIKHAIL, CA
[73] SALFORD GROUP INC., CA
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[54] **PROCESS FOR IMPARTING GREASE, OIL AND WATER REPELLENCE TO SUBSTRATES**
[54] **PROCEDE POUR CONFERER A DES SUBSTRATS UNE RESISTANCE AU MOUILLAGE PAR DE LA GRAISSE, DE L'HUILE ET DE L'EAU**
[72] PADIGALA, MAHESH, US
[72] MERONI, GRAZIA, IT
[72] FINELLI, GEORGE MICHAEL, IT
[73] SOLVAY SOLEXIS S.P.A., IT
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[54] **DISPOSITIF ET PROCEDE DE FABRICATION DE BILLES SOLIDES**
[72] PALMER, DANIEL, GB
[72] CALDER, RICHARD, GB
[72] SHADICK, OWEN, GB
[73] MIDATECH PHARMA (WALES) LIMITED, GB
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[54] **SYSTEME ET PROCEDE DE PRETRAITEMENT DE MATIERE CARBONEE SOLIDE**
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[72] HAN, JINYI, US
[73] CHEVRON U.S.A. INC., US
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[72] JOKINEN, HANNU, FI
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[54] **SYSTEM AND METHOD FOR CRUSHING AND COMPACTION**
[54] **SYSTEME ET PROCEDE POUR LE BROYAGE ET LE COMPACTAGE DE SUBSTANCES**
[72] KOENIG, MARK E., US
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[73] KOMAR INDUSTRIES, INC., US
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[54] **DEUTERATED 2,3,4-TRIHYDROXY-TETRAHYDROPYRANYL-BENZYLBENZENE COMPOUNDS HAVING SODIUM GLUCOSE COTRANSPORTER INHIBITORY ACTIVITY**
[54] **COMPOSES DE 2,3,4-TRIHYDROXY-TETRAHYDROPYRANYL-BENZYLBENZENE DEUTERATES PRESENTANT UNE ACTIVITE INHIBITRICE DE COTRANSPORTEUR SODIUM-GLUCOSE**
[72] SEED, BRIAN, US
[72] LV, BINHUA, CN
[72] ROBERGE, JACQUES Y., CN
[72] CHEN, YUANWEI, US
[72] PENG, KUN, CN
[72] DONG, JIAJIA, US
[72] XU, BAIHUA, CN
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[72] ZHANG, LILI, CN
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[72] LAW, STACEY, US
[72] SMITH, DEREK, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[73] OPALUX INCORPORATED, CA
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[54] **PROCESSES FOR THE PREPARATION OF 4-OXO-OCTAHYDRO-INDOLE-1-CARBOCYLIC ACID METHYL ESTER AND DERIVATIVES THEREOF**
[54] **PROCEDES DE PREPARATION D'ESTER METHYLIQUE D'ACIDE 4-OXO-OCTAHYDRO-INDOLE-1-CARBOCYLIQUE ET DE SES DERIVES**
[72] KUESTERS, ERNST, DE
[72] ACEMOGLU, MURAT, CH
[72] LUSTENBERGER, PHILIPP, CH
[72] SEDELMEIER, GOTTFRIED, DE
[72] SCHMITZ, BEAT, CH
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[72] PORT, JONATHAN D., US
[73] ARCA BIOPHARMA, INC., US
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[54] **PROTEIN DISULFIDE ISOMERASE ASSAY METHOD FOR THE IN VITRO DIAGNOSIS OF COLORECTAL CANCER**
[54] **PROCEDE DE DOSAGE DE LA PROTEINE DISULFIDE ISOMERASE POUR LE DIAGNOSTIC IN VITRO DU CANCER COLORECTAL**
[72] ATAMAN-OENAL, YASEMIN, FR
[72] BEAULIEU, CORINNE, FR
[72] BUSSERET, SANDRINE, FR
[72] CHARRIER, JEAN-PHILIPPE, FR
[72] CHOQUET-KASTYLEVSKY, GENEVIEVE, FR
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[54] **PDE10 INHIBITORS AND RELATED COMPOSITIONS AND METHODS**
[54] **INHIBITEURS DE PDE10 ET COMPOSITIONS ET PROCEDES ASSOCIES**
[72] CUTSHALL, NEIL S., US
[72] GAGE, JENNIFER LYNN, US
[72] WHEELER, THOMAS NEIL, US
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[54] **MODULES A FIBRES OPTIQUES A INSTALLATION ARRIERE ET EQUIPEMENT**
[72] COOKE, TERRY L., US
[72] KLAVUHN, TORY A., US
[72] DEAN, DAVID L., JR., US
[72] GARCIA, JUAN, MX
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[72] RUNDE, DAVID M., US
[73] MAGNA SEATING INC., CA
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[72] BERGSMANN, MARTIN, AT
[72] BRANDSTETTER, GOTTFRIED, AT
[72] KAEFERBOECK, HELMUT, AT
[73] HUECK FOLIEN GES.M.B.H., AT
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[54] **TREATMENT OF MELT QUENCHED ALUMINOSILICATE GLASS SPHERES FOR APPLICATION AS PROPPANTS VIA DEVITRIFICATION PROCESSES**
[54] **TRAITEMENT DE SPHERES DE VERRE D'ALUMINOSILICATE TREMPE EN FUSION DESTINEES A UNE APPLICATION EN TANT QU'AGENTS DE SOUTENEMENT PAR L'INTERMEDIAIRE DE PROCEDES DE DEVITRIFICATION**
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[72] HELLMANN, JOHN R., US
[72] SCHEETZ, BARRY E., US
[73] THE PENN STATE RESEARCH FOUNDATION, US
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[73] SALTS HEALTHCARE LIMITED, GB
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[54] **PROCESSEUR NUMERIQUE DE SIGNAUX, DISPOSITIF DE COMMUNICATION, SYSTEME DE COMMUNICATION ET PROCEDE POUR FAIRE FONCTIONNER UN PROCESSEUR NUMERIQUE DE SIGNAUX**
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[72] DEACON, JIM, US
[73] AMO DEVELOPMENT LLC, US
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[54] **DISPOSITIF AVERTISSEUR POUR MACHINE DE PREPARATION DE BOISSONS**
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[54] **MODULAR DOOR SYSTEM FOR REFRIGERATED CASE**
[54] **SYSTEME DE PORTE MODULAIRE POUR MEUBLE REFRIGERE**
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[72] STUBBLEFIELD, STEVEN O., US
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[54] **CARTER DE SOUFFLANTE AVEC ELEMENTS DE FRICTION**
[72] WOJTYCZKA, CZESLAW, CA
[72] MARSHALL, ANDREW, CA
[73] PRATT & WHITNEY CANADA CORP., CA
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[72] KUFE, DONALD W., US
[72] KHARBANDA, SURENDER, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[73] GENUS ONCOLOGY, LLC, US
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[54] **DISPOSITIF INTRODUCTEUR POUR DEPLOYER UNE ENDOPROTHESE DANS UNE LUMIERE COURBE**
[72] RASMUSSEN, ERIK EDELBOE, DK
[72] OEHLENSCHLAEGER, BENT, DK
[72] JENSEN, KIM MOEGELVANG, DK
[73] COOK MEDICAL TECHNOLOGIES LLC, US
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[54] **COMPOSITIONS ANTISUDORIFIQUES ANHYDRES RENFERMANT DES CAPSULES DE PARFUM SENSIBLES A LA FRICTION**
[72] CROPPER, MARTIN PETER, GB
[72] FRANKLIN, KEVIN RONALD, GB
[72] ROBERTS, LOUISE JANNETTE, GB
[73] UNILEVER PLC, GB
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[54] **PHOSPHOPEPTIDE ENRICHMENT OF COMPOSITIONS BY FRACTIONATION ON CERAMIC HYDROXYAPATITE**
[54] **ENRICHISSEMENT EN PHOSPHOPEPTIDE DE COMPOSITIONS PAR FRACTIONNEMENT SUR HYDROXYAPATITE CERAMIQUE**
[72] LIU, NING, US
[72] ACADEMIA, KATRINA, US
[72] PAULUS, ARAN, US
[72] WEHR, TIM, US
[72] WALKER II, JOHN A., US
[72] FREEBY, STEVE, US
[73] BIO-RAD LABORATORIES, INC., US
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[25] EN
[54] **SIGNAL PROCESSING APPARATUS, SIGNAL PROCESSING METHOD, SIGNAL PROCESSING PROGRAM, COMPUTER-READABLE RECORDING MEDIUM STORING SIGNAL PROCESSING PROGRAM, AND RADIOTHERAPY APPARATUS**
[54] **DISPOSITIF DE TRAITEMENT DE SIGNAL, PROCEDE DE TRAITEMENT DE SIGNAL, PROGRAMME DE TRAITEMENT DE SIGNAL, SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR SUR LEQUEL EST ENREGISTRE UN PROGRAMME DE TRAITEMENT DE SIGNAL, ET DISPOSITIF DE RADIOTHERAPIE**
[72] TAKAI, YOSHIHIRO, JP
[72] HOMMA, NORIYASU, JP
[72] SAKAI, MASAO, JP
[73] TOHOKU UNIVERSITY, JP
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[54] **PROCEDE DE PRODUCTION D'UN PANNEAU ET D'UNE AME POUR CELUI-CI**
[72] PEETERS, JOHANNES HENDRICUS ALPHONSUS, NL
[73] FIBERCORE IP B.V., NL
[85] 2011-05-19
[86] 2009-11-19 (PCT/NL2009/050698)
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[54] **ADAMANTYL BENZAMIDE COMPOUNDS**
[54] **ADAMANTYLBENZAMIDES**
[72] POLISETTI, DHARMA RAO, US
[72] GUPTA, SUPARNA, US
[72] EBDRUP, SOREN, DK
[73] VTV THERAPEUTICS LLC, US
[85] 2011-05-20
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[54] **PAINT ROLLER COVER SUPPORTS WITH FRICTION RINGS**
[54] **SUPPORTS DE COUVERCLES POUR ROULEAU A PEINTURE AVEC ANNEAUX DE FRICTION**
[72] SCOTT, JOHN L., SR., US
[72] ZIMMERMAN, MICHAEL L., US
[73] THE WOOSTER BRUSH COMPANY, US
[85] 2011-06-01
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[54] **INSERTION DEVICE AND METHOD FOR DELIVERY OF A MESH CARRIER**
[54] **DISPOSITIF D'INSERTION ET PROCEDE D'ADMINISTRATION D'UN SUPPORT EN MAILLE**
[72] CHU, MICHAEL S. H., US
[72] LAVAKUMAR, KARTHIK, US
[72] OLIVIERI, STEVEN A., US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **4-AZETIDINYL-1-HETEROARYL-CYCLOHEXANOL ANTAGONISTS OF CCR2**
[54] **ANTAGONISTES DE CCR2 A BASE DE 4-AZETIDINYL-1-HETEROARYL-CYCLOHEXANOL**
[72] ZHANG, XUQING, US
[72] HUFNAGEL, HEATHER RAE, US
[72] HOU, CUIFEN, US
[72] JOHNSON, DANA L., US
[72] SUI, ZHIHUA, US
[72] FEGELY, BARRY, US
[72] BRESLIN, DAVID, US
[73] JANSSEN PHARMACEUTICA NV, BE
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[30] US (61/121,272) 2008-12-10
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[54] **APPARATUS AND METHOD FOR REPLACING A ROTTED PORTION OF A SUPPORT POST AND SECURING THE POST TO SURFACE OR PIER**
[54] **APPAREIL ET PROCEDE SERVANT A REMPLACER LA PARTIE ROUILLEE D'UN POTEAU DE SUPPORT ET A ASSUJETTIR CELUI-CI A UNE SURFACE OU A UN QUAI**
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[54] **PROCEDE ET DISPOSITIF PERMETTANT DE TRAIRE UN ANIMAL LAITIER**
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[54] **NETTOYANT A BASE D'EAU POUR LE NETTOYAGE DES PEINTURES A BASE DE SOLVANTS**
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[72] MURPHY, MICHAEL A., JR., US
[73] HENKEL AG & CO. KGAA, DE
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[54] **PRODUCTION D'ACETATES A PARTIR D'ACIDE ACETIQUE ET D'ALCOOLS**
[72] LEMIEUX PERINET, ALEXIS, CA
[72] LAVOIE, JEAN-MICHEL, CA
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[73] ENERKEM, INC., CA
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[72] IVEY, JOHN, US
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[73] ILUMISYS, INC., US
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[54] **DISPOSITIF DE NETTOYAGE POUR CONNECTEUR DE FIBRES OPTIQUES A BASE DE SOIES**
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[73] AFL TELECOMMUNICATIONS LLC, US
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[54] **CHAUFFE-EAU RESIDENTIEL A POMPE A CHALEUR**
[72] NELSON, JONATHAN D., US
[72] TSAI, CRAIG LUNG-PEI, US
[72] KERN, JEFFREY ALAN, US
[72] RODRIGUEZ, ELIEL FRESCO, US
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[54] **COATINGS, COMPOSITION, AND METHOD RELATED TO NON-SPALLING LOW DENSITY HARDFACE COATINGS**
[54] **REVETEMENTS, COMPOSITION, ET PROCEDE ASSOCIE AUX REVETEMENTS A SURFACE DE RENFORT DE FAIBLE DENSITE ET SANS ECAILLAGE**
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[54] **SUBSTITUTED AZOLE DERIVATIVES, PHARMACEUTICAL COMPOSITION CONTAINING THE DERIVATIVES, AND METHOD FOR TREATING PARKINSON'S DISEASE USING THE SAME**
[54] **DERIVES D'AZOLE SUBSTITUES, COMPOSITION PHARMACEUTIQUE CONTENANT LES DERIVES ET PROCEDE DE TRAITEMENT DE LA MALADIE DE PARKINSON A L'AIDE DE CEUX-CI**
[72] PARK, CHEOL-HYOUNG, KR
[72] MIN, HYE-KYUNG, KR
[72] LIM, MI-JUNG, KR
[72] LEE, JI-WON, KR
[72] CHUNG, JIN-YONG, KR
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[54] **MOTEUR/GENERATEUR ROTATIF A BLOC FIXE**
[72] RUSSELL, ROBERT L., US
[73] RUSSELL ENERGY CORPORATION, US
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[54] **SYSTEME DE POMPE SUBMERSIBLE ELECTRIQUE MUNIE DE MATERIAUX D'ISOLATION A HAUTE TEMPERATURE ET DE LUBRIFIANT TAMPONNE**
[72] RUMBAUGH, MICHAEL R., US
[72] EVENSON, JIM F., US
[72] REYNOLDS, JACKSON E., US
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[73] BAKER HUGHES INCORPORATED, US
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[54] **A METHOD AND A SYSTEM FOR OPTIMIZATION OF PARAMETERS FOR A RECOVERY BOILER**
[54] **PROCEDE ET SYSTEME D'OPTIMISATION DES PARAMETRES D'UNE CHAUDIERE DE RECUPERATION**
[72] MATHUR, TARUN PRAKASH, IN
[72] BUDDHI SRINIVASA, BABJI, IN
[73] ABB RESEARCH LTD, CH
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[54] **IONOMERES BUTYLIQUES DESTINES A ETRE UTILISES POUR REDUIRE UNE POPULATION ET/OU PREVENIR L'ACCUMULATION D'ORGANISMES ET REVETEMENTS FABRIQUES A PARTIR DE CEUX-CI**
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[72] FERRARI, LORENZO P., CA
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[54] **INSTALLATION DESTINEE AU TRAITEMENT THERMIQUE DE MATIERE SOLIDE EN MORCEAUX**
[72] RUETHER, THOMAS, DE
[72] KLEGRAF, TOBIAS, DE
[72] PETERS, ALEXANDER, DE
[73] THYSSENKRUPP POLYSIUS AG, DE
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[54] **PROCEDE D'ESSAI MULTIPLEX ET COMPOSITION**
[72] ROBY, PHILIPPE, CA
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[54] **ANTICORPS DIRIGE CONTRE L'INTEGRINE .ALPHA.9 HUMAINE ET SON UTILISATION**
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[54] **A DEVICE AND METHOD FOR SECURING THE POSITION OF JOINTS PADS IN SPORTS**
[54] **APPAREIL ET METHODE DE FIXATION DE PROTECTEURS D'ARTICULATION POUR EQUIPEMENT DE SPORT**
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[72] WESTHUES, JONATHAN, US
[72] IZADI, SHAHRAM, US
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[54] **ENDOPROTHESE VASCULAIRE EN COUCHE MINCE ET TRAITEMENT DE SURFACE BIOCOMPATIBLE**
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[72] CARMAN, GREGORY P., US
[72] CHUN, YOUNGJAE, US
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[54] **NOVEL ANTI-.ALPHA.5.BETA. INTEGRIN ANTIBODIES AND USES THEREOF**
[54] **NOUVEAUX ANTICORPS D'INTEGRINE ANTI-ALPHA.5.BETA ET LEURS UTILISATIONS**
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[72] PLOWMAN, GREGORY D., US
[72] WU, YAN, US
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[73] GENENTECH, INC., US
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[54] **MICROCAPSULE A LIBERATION CONTROLEE DESTINEE A PRODUIRE UN EFFET OSTEOGENIQUE**
[72] MISHRA, PRABHAT RANJAN, IN
[72] TRIVEDI, RITU, IN
[72] GUPTA, GIRISH KUMAR, IN
[72] KUMAR, AVINASH, IN
[72] GUPTA, VARSHA, IN
[72] RATH, SRIKANTA KUMAR, IN
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[72] CHATTOPADHYAY, NAIBEDYA, IN
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[54] **DISPOSITIF DE VOIE RESPIRATOIRE ARTIFICIELLE**
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[73] THE LARYNGEAL MASK COMPANY LIMITED, SC
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[54] **OPTIMISATION DES INFORMATIONS DANS UN RESEAU SOCIAL PERMETTANT DE CIBLER DES PUBLICITES DE FACON INFERENTIELLE**
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[72] ZHOU, DING, US
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[54] **DISPOSITIF POUR DECHARGER UNE COMPOSITION DE REMPLISSAGE**
[72] HABIBI-NAINI, SASAN, CH
[72] HUESLER, FLORIAN, CH
[73] SULZER MIXPAC AG, CH
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[25] EN
[54] **BLIND FASTENER WITH INTEGRATED ANTI-ROTATION FEATURE, SYSTEMS AND METHODS**
[54] **FIXATION EN AVEUGLE COMPRENANT UN MOYEN ANTIROTATION INTEGRE, SYSTEMES ET PROCEDES**
[72] MCCLURE, TRAVIS, US
[73] CENTRIX INC., US
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[54] **IMPROVED DOWNHOLE DEVICE**
[54] **DISPOSITIF DE FOND AMELIORE**
[72] HALL, NEIL ROBERT, GB
[73] IMPACT SELECTOR LIMITED, GB
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[54] **USEFUL PHARMACEUTICAL SALTS OF 7-[(3R,4R)-3-HYDROXY-4-HYDROXYMETHYL-PYRROLIDIN-1-YLMETHYL]-3,5-DIHYDRO-PYRROLO[3,2-D]PYRIMIDIN-4-ONE**
[54] **SELS PHARMACEUTIQUES UTILES DE 7-[(3R,4R)-3-HYDROXY-4-HYDROXYMETHYL-PYRROLIDIN-1-YLMETHYL]-3,5-DIHYDRO-PYRROLO[3,2-D]PYRIMIDIN-4-ONE**
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[72] CLEARY, THOMAS, US
[72] LANG, JOHN F., US
[73] BIOCRYST PHARMACEUTICALS, INC., US
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[54] **FICHIER DIFFERENTIEL ET RESTAURATIONS DE SYSTEMES A PARTIR DE PAIRS ET DE L'INFORMATIQUE EN NUAGE**
[72] MURPHY, ELISSA E., US
[72] MEHR, JOHN D., US
[72] VIRK, NAVJOT, US
[72] SOSNOSKY, LARA M., US
[72] HAMILTON, JAMES R., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[73] EISENMANN AG, DE
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[54] **POLYMERE EN EMULSION INVERSE BIMOLECULAIRE**
[72] BROECHER, MARKUS, DE
[72] KANTO OEQUIST, CHARLOTTA, DE
[72] SIEVERLING, NATHALIE, DE
[72] LINNEWEBER, GEORG, DE
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
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[25] FR
[54] **METHOD FOR ASSEMBLING PARTS MADE OF AN ALUMINUM ALLOY BY WELDING, COMPRISING COLD DEFORMATION FOLLOWED BY THE POST-WELDING TEMPERING OF THE ENTIRE WELDED AREA**
[54] **PROCEDE D'ASSEMBLAGE PAR SOUDAGE DE PIECES EN ALLIAGE D'ALUMINIUM AVEC DEFORMATION A FROID SUIVI D'UN REVENU POST SOUDAGE DE L'ENSEMBLE DE LA ZONE SOUDEE**
[72] BORDESOULES, ISABELLE, FR
[72] DANIELOU, ARMELLE, FR
[72] HENON, CHRISTINE, FR
[72] LEQUEU, PHILIPPE, FR
[73] CONSTELLIUM ISSOIRE, FR
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[54] **HYDROCONVERSION MULTI-METALLIC CATALYST AND METHOD FOR MAKING THEREOF**
[54] **CATALYSEUR D'HYDROCONVERSION MULTI-METALLIQUE ET SON PROCEDE DE FABRICATION**
[72] KUPERMAN, ALEXANDER E., US
[72] MAESEN, THEODORUS, US
[72] DYKSTRA, DENNIS, US
[73] CHEVRON U.S.A. INC., US
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[54] **DISPOSITIF DE TRANSFERT DE FLUIDE**
[72] GONNELLI, ROBERT R., US
[72] STANDLEY, ROBERT L., US
[72] LEVESQUE, STEVEN F., US
[73] VALERITAS, INC., US
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[54] **FRACTURE MONITORING**
[54] **SURVEILLANCE DE FISSURE**
[72] HILL, DAVID JOHN, GB
[72] MCEWEN-KING, MAGNUS, GB
[72] TINDELL, PATRICK PHILLIP, GB
[73] OPTASENSE HOLDINGS LIMITED, GB
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[25] EN
[54] **RECOGNITION USING RE-RECOGNITION AND STATISTICAL CLASSIFICATION**
[54] **RECONNAISSANCE A L'AIDE D'UNE NOUVELLE RECONNAISSANCE ET D'UNE CLASSIFICATION STATISTIQUE**
[72] CHANG, SHUANGYU, US
[72] LEVIT, MICHAEL, US
[72] BUNTSCHUH, BRUCE, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **ACCESSIBILITE SELECTIVE A UN CONTENU DANS UN RESEAU SOCIAL**
[72] PEARLMAN, LEAH, US
[72] MENGHRAJANI, ALOK, US
[72] SLEE, MARK, US
[73] FACEBOOK, INC., US
[85] 2011-11-07
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[25] EN
[54] **SESSION SUSPEND AND RESUME USING A TRANSIENT BINDING OPTION MESSAGING**
[54] **SUSPENSION ET REPRISE DE SESSION A L'AIDE D'UNE MESSAGERIE A OPTION DE LIAISON TEMPORAIRE**
[72] MUHANNA, AHMAD S., US
[72] BROWN, MICHAEL, US
[72] KHALIL, MOHAMED, US
[73] APPLE INC., US
[85] 2011-11-09
[86] 2010-05-13 (PCT/US2010/034785)
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[54] **LENS DELIVERY SYSTEM**
[54] **SYSTEME DE POSE DE LENTILLE**
[72] DOWNER, DAVID ANTHONY, US
[72] BROWN, KYLE, US
[72] YAN, DENGZHU, US
[72] PROULX, MARSHALL KEITH, US
[72] MUCHHALA, SUSHANT, US
[72] TRAN, TU CAM, US
[73] NOVARTIS AG, CH
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[54] **INTERFACE POUR PATIENT ET ASPECTS CORRESPONDANTS**
[72] SALMON, ANDREW PAUL MAXWELL, NZ
[72] SIEW, SILAS SAO JIN, NZ
[72] HUANG, WEN DONG, NZ
[72] ALLAN, OLIVIA MARIE, NZ
[72] MCLAREN, MARK, NZ
[72] PRENTICE, CRAIG ROBERT, NZ
[72] GARDIOLA, ARVIN SAN JOSE, NZ
[72] MCAULEY, ALASTAIR EDWIN, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **METHOD AND DEVICE FOR THREE-DIMENSIONAL SURFACE DETECTION WITH A DYNAMIC REFERENCE FRAME**
[54] **PROCEDE ET DISPOSITIF POUR UNE DETECTION DE SURFACE TRIDIMENSIONNELLE A L'AIDE D'UN CADRE DE REFERENCE DYNAMIQUE**
[72] HAEUSLER, GERD, DE
[73] HAEUSLER, GERD, DE
[85] 2011-11-15
[86] 2010-06-01 (PCT/IB2010/001460)
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[54] **SYSTEME D'ALERTE AVEC CHARGE DE RESEAU COMMANDEE**
[72] HEEN, KJELL-HARALD, NO
[73] UNIFIED MESSAGING SYSTEMS AS, NO
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[54] **LIMITATEUR DE VITESSE DANS UN SYSTEME D'ASCENSEUR**
[72] IMFELD, MARCEL, CH
[72] GENSICKE, KARSTEN, CH
[73] INVENTIO AG, CH
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[54] **MILDLY ALKALINE THIN INORGANIC CORROSION PROTECTIVE COATING FOR METAL SUBSTRATES**
[54] **FIN REVETEMENT ANTICORROSION INORGANIQUE A ALCALINITE MOYENNE POUR SUBSTRATS METALLIQUES**
[72] SMITH, THOMAS S., US
[72] SOHI, JASDEEP, US
[72] BAMMEL, BRIAN D., US
[72] DONALDSON, GREGORY T., US
[72] COMOFORD, JOHN J., US
[72] MCGEE, JOHN, US
[72] ZIMMERMAN, JOHN L., US
[73] HENKEL AG & CO. KGAA, DE
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[54] **VALVE WITH TEMPERATURE ACTIVATED TRIGGER**
[54] **SOUPAPE AVEC DECLENCHEUR ACTIVE PAR LA TEMPERATURE**
[72] GIROUARD, ERICK, CA
[73] EMCARA GAS DEVELOPMENT INC., CA
[85] 2011-11-18
[86] 2010-05-19 (PCT/CA2010/000771)
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[25] EN
[54] **HALOGENATED ALIPHATIC CARBOXYLIC ACIDS, OLIGOMERS AND/OR POLYMERS THEREOF AND THEIR USE IN DEVITALIZING EXTERNAL AND INTERNAL NEOPLASMS**
[54] **ACIDES CARBOXYLIQUES ALIPHATIQUES HALOGENES, OLIGOMERES ET/OU POLYMERES DE CEUX-CI ET LEUR UTILISATION DANS LA DEVITALISATION DE NEOPLASMES EXTERNES ET INTERNES**
[72] MARDI, SHALVA, CH
[72] MARDI, ROSA, CH
[72] MARDI, GYMSHER, CH
[72] MARDI, LAURA, CH
[72] SLAVIN, SHIMON, IL
[73] CIMAS LIMITED, CY
[85] 2011-11-29
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[54] **THERAPEUTIC OPHTHALMIC EMULSIONS**
[54] **EMULSIONS OPHTALMIQUES THERAPEUTIQUES**
[72] YU, ZHI-JIAN, US
[73] ABBOTT MEDICAL OPTICS INC., US
[85] 2011-12-01
[86] 2010-06-02 (PCT/US2010/037070)
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[25] EN
[54] **CRYSTALLINE FORM OF 2-{4[N-(5,6-DIPHENYLPYRAZIN-2-YL)-N-ISOPROPYLAMINO]BUTYLOXY}-N-(METHYLSULFONYL)ACETAMIDE**
[54] **FORME CRISTALLINE DE 2-{4[N-(5,6-DIPHENYLPYRAZINE-2-YL)-N-ISOPROPYLAMINO]BUTYLOXY}-N-(METHYLSULFONYLE)ACETAMIDE**
[72] ITOU, HIDEYUKI, JP
[72] NAKAMICHI, KOJI, JP
[72] TOSAKA, TAKASHI, JP
[73] NIPPON SHINYAKU CO., LTD., JP
[85] 2011-12-02
[86] 2010-06-25 (PCT/JP2010/060798)
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[30] JP (2009-151727) 2009-06-26
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[54] **HYDROCARBON GAS PROCESSING**
[54] **TRAITEMENT D'HYDROCARBURES GAZEUX**
[72] JOHNKE, ANDREW F., US
[72] LEWIS, W. LARRY, US
[72] TYLER, L. DON, US
[72] WILKINSON, JOHN D., US
[72] LYNCH, JOE T., US
[72] HUDSON, MARK M., US
[72] CUELLAR, KYLE T., US
[73] ORTLOFF ENGINEERS, LTD., US
[73] S.M.E. PRODUCTS LP, US
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[54] **HYDROCARBON GAS PROCESSING**
[54] **TRAITEMENT D'HYDROCARBURES GAZEUX**
[72] JOHNKE, ANDREW F., US
[72] LEWIS, W. LARRY, US
[72] TYLER, L. DON, US
[72] WILKINSON, JOHN D., US
[72] LYNCH, JOE T., US
[72] HUDSON, HANK M., US
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[73] ORTLOFF ENGINEERS, LTD., US
[73] S.M.E. PRODUCTS LP, US
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[54] **METHOD FOR CONVERTING LIGNOCELLULOSIC MATERIALS INTO USEFUL CHEMICALS**
[54] **PROCEDE DE CONVERSION DE MATERIAUX LIGNOCELLULOSIQUES EN SUBSTANCES CHIMIQUES UTILES**
[72] COURT, GREGORY ROSS, AU
[72] LAWRENCE, CHRISTOPHER HOWARD, AU
[72] RAVERTY, WARWICK DOUGLAS, AU
[72] DUNCAN, ANTHONY JAMES, AU
[73] CIRCA GROUP PTY LTD, AU
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[25] EN
[54] **OPTICAL NAVIGATION MODULE WITH ALIGNMENT FEATURES**
[54] **MODULE DE NAVIGATION OPTIQUE A ELEMENTS D'ALIGNEMENT**
[72] CHEN, CHAO, CA
[73] BLACKBERRY LIMITED, CA
[86] (2764979)
[87] (2764979)
[22] 2012-01-20
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[54] **PRIORITIZING AND PROVIDING INFORMATION ABOUT USER CONTACTS**
[54] **CLASSEMENT PAR ORDRE DE PRIORITE ET FOURNITURE DE RENSEIGNEMENTS AU SUJET DES CONTACTS D'UN UTILISATEUR**
[72] HARTZLER, MATHEW JON, US
[73] BLACKBERRY LIMITED, CA
[86] (2764990)
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[54] **SOUPAPE DE MAINTIEN DE PRESSION**
[72] RULL, JANA, DE
[72] BUBB, ALEXANDER, DE
[72] FREISSLER, BERND, DE
[73] PROMINENT GMBH, DE
[85] 2011-12-19
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[25] EN
[54] **VASCULAR PROSTHESES FOR TREATING ANEURYSMS**
[54] **PROTHESES VASCULAIRES UTILISEES POUR LE TRAITEMENT DES ANEVRISMES**
[72] SHALEV, ALON, IL
[72] BENARY, RAFI, IL
[73] ENDOSPAN LTD., IL
[85] 2011-12-21
[86] 2010-06-23 (PCT/IB2010/052861)
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[54] **COMPOSITIONS CONTENANT DE LA BERBERINE OU DES ANALOGUES DE CELLE-CI POUR TRAITER L'ACNE ROSACEE OU DES TROUBLES CUTANES ASSOCIES A UNE ROUGEUR FACIALE**
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[73] DERMAN BIOMEDICINE CO. LTD., TW
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[54] **PROCEDE ET INSTALLATION DE COMBUSTION EN BOUCLE CHIMIQUE AVEC CONTROLE INDEPENDANT DE LA CIRCULATION DES SOLIDES**
[72] GAUTHIER, THIERRY, FR
[72] HOTEIT, ALI, FR
[72] FORRET, ANN, FR
[73] IFP ENERGIES NOUVELLES, FR
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[54] **ENSEMBLE DE STERILISATION A PANNEAUX FLEXIBLES MULTIPLES**
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[72] CLARK, LAUREEN C., US
[72] FRIDERICH, STEVEN SCOTT, US
[72] GORDON, ALICE SUSAN, US
[72] GUSTIN, BRIAN L., US
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[54] **DEVICE AND METHOD FOR PACKAGING BULK MATERIAL**
[54] **DISPOSITIF ET PROCEDE POUR EMBALLER UN MATERIAU EN VRAC**
[72] MAAS, FRANCISCUS ARNOLDINA GERARDUS JOZEF, NL
[72] HENDRIKX, GODEFRIDUS HENDRIKUS THEODORUS FRANCISCUS, NL
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[72] PETERSON, EDWARD W., US
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[72] THURING, JOHANNES WILHELMUS JOHN F., BE
[72] VAN DEN KEYBUS, FRANS ALFONS MARIA, BE
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[54] **DISPOSITIF POUR FOURNIR UN GAZ INERTE A UNE INSTALLATION DE SOUDURE A LA VAGUE**
[72] HEINE, FERNAND, BE
[72] LETURMY, MARC, FR
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[54] **METHODS AND SYSTEMS FOR APPLIANCE COMMUNITY SERVICE MANAGEMENT**
[54] **PROCEDES ET SYSTEMES POUR LA GESTION DU SERVICE A LA COLLECTIVITE DES UTILISATEURS DE DISPOSITIFS**
[72] DESALVO, THOMAS E., US
[72] KOZLOWSKI, MICHAEL, US
[72] MONNIE, SAMUEL, US
[72] KLIMEK, JEFFREY VANCE, US
[72] MUNOZ, CHRISTOPHER MICHAEL, US
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[54] **SYSTEME D'ASSSEMBLAGE D'UNE COMPOSANTE DE STRUCTURE DE CHASSIS DE VEHICULE A MOTEUR**
[72] MAGNANO, NUNZIO, IT
[72] DI MINO, FRANCESCO, IT
[73] COMAU S.P.A., IT
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[72] KRAFT, VOLKER, DE
[72] KRETZSCHMAR, GERHARD, DE
[72] ROSSEN, KAI, DE
[73] HUVEPHARMA ITALIA S.R.L., IT
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[54] **CARTOUCHE D'EXPLOSIF, DISPOSITIF DE DEMOLITION, ET PROCEDE DE DEMOLITION**
[72] SASAKI, KATSUYA, JP
[72] KITAJIMA, HIDEAKI, JP
[72] SAKAMOTO, RYO, JP
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[73] HITACHI ZOSEN CORPORATION, JP
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[54] **HEPAROSAN POLYMERS AND METHODS OF MAKING AND USING SAME FOR THE ENHANCEMENT OF THERAPEUTICS**
[54] **POLYMERES D'HEPAROSANE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION DESTINES A L'AMELIORATION DE COMPOSES THERAPEUTIQUES**
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[54] **ADHESIF A BASE D'EAU POUR LAMINAGE DE POLYMERES EN SUBSTRATS METALLIQUES**
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[72] BAMMEL, BRIAN D., US
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[54] **PROCEDE AMELIORE DE FABRICATION D'UN ENSEMBLE ANNULAIRE AUBAGE DE TURBOMACHINE A LA CIRE PERDUE, MOULE METALLIQUE ET MODELE EN CIRE POUR LA MISE EN OEUVRE D'UN TEL PROCEDE**
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[72] COLLIN, YANNICK, FR
[72] HERZER, ERIC, FR
[72] MATHIEU, DAVID, FR
[73] SNECMA, FR
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[54] **METHODE DE PREPARATION DE ZEOLITE ZSM-5 AVEC DES GERMES DE ZSM-5 NANOCRISTALLINS**
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[72] PARK, DEUK SOO, KR
[72] KIM, SUK JOON, KR
[72] CHOO, DAE HYUN, KR
[72] PARK, YONG KI, KR
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[54] **METHODES ET DISPOSITIFS PERMETTANT DE CONTROLER L'ACCESS A UNE RESSOURCE INFORMATIQUE PAR DES APPLICATIONS EXECUTABLES SUR UN ORDINATEUR**
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[72] ADAMS, NEIL PATRICK, CA
[73] BLACKBERRY LIMITED, CA
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[54] **DISPOSITIFS DE STOCKAGE ET DE COLLECTE D'ENERGIE HAUTE PERFORMANCE CONTENANT DES MICROTUBULES EXFOLIES ET DES PARTICULES ET COUCHES NANOMETRIQUES ATTACHEES SPATIALEMENT CONTROLEES**
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[73] MOLECULAR REBAR DESIGN, LLC, US
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[72] BERGEN, GARY, CA
[72] TESSIER, SYLVIO J., CA
[72] STRYDHORST, TIM, CA
[72] EICHELE, JAMES, CA
[72] ADOLPH, GRANT H., CA
[72] PINFOLD, RYAN, CA
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[72] TURKO, LEO V., CA
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[73] BUHLER EZEE-ON, INC., CA
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[54] **ENSEMBLE D'EXTINCTION D'INCENDIE PERMETTANT DE TRANSFORMER UN LIQUIDE EN UNE BRUME DE LIQUIDE**
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[73] PREVENT SYSTEMS AS, NO
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[72] STARR, RACHEL, US
[72] HUGHES, GREGORY, US
[73] SMITHS MEDICAL ASD, INC., US
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[54] **SWEET OR SOUR SERVICE CATALYTIC DEWAXING IN BLOCK MODE CONFIGURATION**
[54] **DEPARAFFINAGE CATALYTIQUE DE CHARGES NON SULFUREUSES OU SULFUREUSES SUIVANT UNE CONFIGURATION DE MODE EN BLOCS**
[72] PRENTICE, KRISTA M., US
[72] DAAGE, MICHEL A., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **UNITE DE COMMUTATION DESTINEE A COMMUTER DES TENSIONS CONTINUES ELEVEES**
[72] WEBER, WALDEMAR, DE
[72] WERNER, KLAUS, DE
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[54] **PROCEDES DE DETECTION DEFINIS PAR DES PARTITIONS**
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[54] **SYSTEME ET PROCEDE D'ISOLATION DES BRUITS D'IMPACT DANS UN SYSTEME DE LANCEMENT**
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[73] LOCKHEED MARTIN CORPORATION, US
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[54] **SYSTEME ET PROCEDE DE COMMANDE D'INDICATEUR D'ETAT DE CHARGE**
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[72] SKARINE, ALEXEI, CA
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[72] SERPEAULT, JEROME, FR
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[54] **METHODE ET APPAREIL DE PRODUCTION D'UN STATOR A FACTEUR DE REMPLISSAGE ELEVE DESTINE A UNE MACHINE ELECTRIQUE**
[72] GUERCIONI, SANTE, IT
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[54] **ENSEMBLE JOINT D'ETANCHEITE ET PROCEDE DE FORMATION D'UN ENSEMBLE JOINT D'ETANCHEITE**
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[54] **POINTE D'EXTREMITE DE BORD DE FUITE A CAMBRURE VARIABLE**
[72] SANTINI, GREGORY M., US
[73] THE BOEING COMPANY, US
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[54] **MOULE CHAUFFE ET UTILISATION DUDIT MOULE POUR FORMER DES COMPOSITES RENFORCES PAR DES FIBRES**
[72] SORENSEN, FLEMMING, DK
[73] SSP TECHNOLOGY A/S, DK
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[54] **IMPLANT RETINIEN ET PROTHESE VISUELLE INCORPORANT UN TEL IMPLANT**
[72] KLAVER, TOM, DE
[72] DAPPER, MARCUS, DE
[72] TIEDTKE, HANS-JUERGEN, DE
[73] PIXIUM VISION SA, FR
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[73] NEWCASTLE INNOVATION LIMITED, AU
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[54] **SYSTEME DE COMMUNICATION SANS FIL, APPAREIL DE COMMUNICATION SANS FIL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] KAWASAKI, YOSHIHIRO, JP
[72] YANO, TETSUYA, JP
[72] OHTA, YOSHIAKI, JP
[72] TANAKA, YOSHINORI, JP
[73] FUJITSU LIMITED, JP
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[54] **PROCESS FOR PRODUCTION OF MODIFIED CONJUGATED DIENE RUBBER, MODIFIED CONJUGATED DIENE RUBBER, AND RUBBER COMPOSITION**
[54] **PROCEDE POUR LA PRODUCTION DE CAOUTCHOUC DIENE CONJUGUE MODIFIE, CAOUTCHOUC DIENE CONJUGUE MODIFIE ET COMPOSITION DE CAOUTCHOUC**
[72] NAKAMURA, TAKAHIRO, JP
[72] TANAKA, RYOUJI, JP
[73] JSR CORPORATION, JP
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[54] **BOITE POUR L'EMBALLAGE DE CONTENANTS DE BOISSONS DE TYPE A SACHET, MACHINE DE FERMETURE D'EMBALLAGE ET PROCEDE DE FERMETURE D'EMBALLAGE**
[72] KURZ, MICHAEL, DE
[72] EMBACH, WOLFGANG, DE
[73] INDAG GESELLSCHAFT FUER INDUSTRIEBEDARF MBH & CO. BETRIEBS KG, DE
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[54] **METHODS AND SYSTEMS FOR USE IN PROVIDING PLAYBACK OF VARIABLE LENGTH CONTENT IN A FIXED LENGTH FRAMEWORK**
[54] **PROCEDES ET SYSTEMES A UTILISER DANS LA FOURNITURE DE LECTURE DE CONTENU DE LONGUEUR VARIABLE DANS UNE TRAME DE LONGUEUR FIXE**
[72] MCDERMOTT, JEFF, US
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[72] KAO, SHERRY, US
[73] DELUXE MEDIA INC., US
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[54] **METHOD AND DEVICE FOR PRODUCING MICROPARTICLES OR NANOPARTICLES**
[54] **PROCEDE ET DISPOSITIF POUR LA FABRICATION DE MICRO- OU DE NANOPARTICULES**
[72] BAUMSTUEMMLER, BERND, DE
[72] PENTH, BERND, DE
[72] PENTH, FELIX, DE
[72] TUERELI, AKIF EMRE, DE
[73] INSTILLO GMBH, DE
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[54] **METHODS AND DEVICES FOR CONTEXT MODELING TO ENABLE MODULAR PROCESSING**
[54] **METHODES ET DISPOSITIFS POUR LA MODELISATION DE CONTEXTE VISANT A PERMETTRE UN TRAITEMENT MODULAIRE**
[72] NGUYEN, NGUYEN, CA
[72] JI, TIANYING, CA
[72] HE, DAKE, CA
[73] BLACKBERRY LIMITED, CA
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[54] **CATALYSEURS D'HYDROTRAITEMENT ET LEUR PRODUCTION**
[72] SOLED, STUART L., US
[72] MISEO, SABATO, US
[72] BAUMGARTNER, JOSEPH E., US
[72] NISTOR, IULIAN G., US
[72] VENKATARAMAN, PALLASSANA S., US
[72] KLIEWER, CHRIS E., US
[72] CHIMENTI, ROBERT J., US
[72] GUZMAN, JAVIER, US
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[72] HARRIS, THOMAS C., US
[73] ABBVIE BIOTECHNOLOGY LTD., BM
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[54] **FICHIER DELTA DE DESCRIPTION DE PRESENTATION MULTIMEDIA POUR UNE TRANSMISSION EN CONTINU HTTP**
[72] FURBECK, DAVID STUART, US
[72] CHITTURI, SURESH, US
[73] BLACKBERRY LIMITED, CA
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[54] **PROCEDE D'IODATION DE DERIVES PHENOLIQUES**
[72] CITTERIO, ATTILIO, IT
[72] BATTISTINI, ELISA, IT
[72] BELNOME, DAVIDE, IT
[72] BUONSANTI, FEDERICA, IT
[72] LATTUADA, LUCIANO, IT
[72] LEONARDI, GABRIELLA, IT
[72] UGGERI, FULVIO, IT
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[54] **SYSTEME DE STOCKAGE MODULAIRE**
[72] KHARKOVER, ILIA, IL
[72] MONASTYRSKY, YAKOV, IL
[73] PARKING KIT LTD., IL
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[54] **METHOD AND APPARATUS TO USE AUXILIARY RECEIVER TO COMPENSATE MULTIPLE TRANSMITTERS BASED UPON ONE OF THE TRANSMITTERS**
[54] **PROCEDE ET APPAREIL POUR UTILISER UN RECEPTEUR AUXILIAIRE EN VUE DE COMPENSER DE MULTIPLES EMETTEURS EN FONCTION DE L'UN DES EMETTEURS**
[72] MUHAMMAD, KHURRAM, US
[72] KRAVETS, OLEKSIY, CA
[73] BLACKBERRY LIMITED, CA
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[54] **DISPOSITIF DE SERRAGE ET DE TRACTION**
[72] SCHRODER, WALTER, DE
[73] OLKO-MASCHINENTECHNIK GMBH, DE
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[54] **PROCEDES ET APPAREIL POUR LA SYNCHRONISATION AUTOMATIQUE DE SIGNAUX AUDIO ET VIDEO**
[72] HOLLEY, ERIC, US
[73] ECHOSTAR TECHNOLOGIES L.L.C., US
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[54] **PROCEDE ET DISPOSITIF D'AMORTISSEMENT DE LAME DE SOC**
[72] ABRAMCZYK, RON, US
[72] FOX, ERIC, US
[73] IRONHAWK INDUSTRIAL DISTRIBUTION LLC, US
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[54] **PREPARATION DE GRAISSES A PARTIR DE LA REACTION D'AMINE(S) ET D'ISOCYANATE(S)**
[72] LEE, DAVID S., US
[72] ABERNATHY, SUSAN M., US
[73] CHEVRON U.S.A. INC., US
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[54] **METHOD AND APPARATUS FOR PROVIDING CONTINUOUS AUTHENTICATION BASED ON DYNAMIC PERSONAL INFORMATION**
[54] **PROCEDE ET APPAREIL ADAPTES POUR REALISER UNE AUTHENTIFICATION EN CONTINU SUR LA BASE DE DONNEES PERSONNELLES DYNAMIQUES**
[72] ALI, SHIROOK M., CA
[72] LABRADOR, CHRISTOPHER, CA
[72] WARDEN, JAMES, US
[72] WILSON, KELCE S., US
[73] BLACKBERRY LIMITED, CA
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[25] EN
[54] **ESTER-BASED REFRIGERATING MACHINE OIL COMPATIBLE WITH DIFLUOROMETHANE AND/OR UNSATURATED HYDROCARBON REFRIGERANTS**
[54] **HUILE MACHINE FRIGORIGENE FONDEE SUR UN ESTER COMPATIBLE AVEC UN DIFLUOROMETHANE ET/OU DES FRIGORIGENES D'HYDROCARBURE INSATURE**
[72] TAKIGAWA, KATSUYA, JP
[72] SAITO, MASANORI, JP
[72] OKIDO, TAKESHI, JP
[72] TAKAHASHI, KUNIKO, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
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[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **RECIPIENT ET SYSTEME D'ALIMENTATION EN REVELATEUR**
[72] MURAKAMI, KATSUYA, JP
[72] NAGASHIMA, TOSHIAKI, JP
[72] TAZAWA, FUMIO, JP
[72] OKINO, AYATOMO, JP
[72] YAMADA, YUSUKE, JP
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[54] **SLEEVE HOLDER ASSEMBLY**
[54] **ENSEMBLE SUPPORT DE MANCHON**
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[72] STRIK, JOSEPH, CA
[73] TROJAN TECHNOLOGIES, CA
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[54] **ENSEMBLE DE PREHENSION DE TUBAGE**
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[72] TAYLOR, LARRY MACK, US
[73] THE CROSBY GROUP LLC, US
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[54] **WIND ENERGY INSTALLATION HAVING A SYNCHRONOUS GENERATOR, AND SLOWLY ROTATING SYNCHRONOUS GENERATOR**
[54] **EOLIENNE POURVUE D'UN GENERATEUR SYNCHRONE, ET GENERATEUR SYNCHRONE A ROTATION LENTE**
[72] HILDEBRAND, ARNO, DE
[72] BAUMGAERTEL, CHRISTIAN, DE
[73] WOBBEN PROPERTIES GMBH, DE
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[73] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
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[54] **SLOUCH CORRECTION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE CORRECTION DE MOU DE SIEGE**
[72] AMIRAULT, DUSTIN J., CA
[72] MATTHEWS, JOSHUA D., CA
[72] ETTER, JAMISON S., CA
[72] MULLANEY, SHAEMUS, CA
[72] MACKENZIE, MATTHEW, CA
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[73] NOVA SCOTIA COMMUNITY COLLEGE, CA
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[54] **RAIL EXTERIEUR POUR BASE POUR COUVERTURE DE PLAQUE MURALE**
[72] DOLLERUP, KRISTIAN, CH
[72] DOLLERUP, NIELS, DK
[73] ZAK-IT SYSTEMS GMBH, CH
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[54] **PROCEDES D'AMELIORATION DE LA FIDELITE DES OPERATIONS QUANTIQUES**
[72] PESETSKI, AARON A., US
[72] BAUMGARDNER, JAMES E., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[54] **DIRECTION DE TRAIN D'ATTERRISSAGE AU MOYEN DE PALIERS EXCENTRIQUES**
[72] LACY, STUART, GB
[72] SIMONNEAUX, YANN, GB
[73] MESSIER-DOWTY LIMITED, GB
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[54] **CHEMICAL BINDING OF RENEWABLE OILS TO POLYESTER EMULSION**
[54] **LIAISON CHIMIQUE D'HUILES RENOUVELABLES A UNE EMULSION A BASE DE POLYESTER**
[72] FARRUGIA, VALERIE M., CA
[73] XEROX CORPORATION, US
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[73] LIU, DAZHI, CN
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[54] **LENGTH-ADJUSTABLE TELESCOPIC TUBE, SUPPORT JACK AND ASSEMBLY PROCESS**
[54] **TUBE TELESCOPIQUE A LONGUEUR AJUSTABLE, BEQUILLE ET METHODE D'ASSEMBLAGE**
[72] SEIDEL, GUNTER, DE
[73] JOST-WERKE GMBH, DE
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[54] **SYSTEM AND METHOD FOR MONITORING CURRENT DRAWN BY A PROTECTED LOAD IN A SELF-POWERED ELECTRONIC PROTECTION DEVICE**
[54] **SYSTEME ET PROCEDE DE CONTROLE D'UN COURANT CONSOMME PAR UNE CHARGE PROTEGEE DANS UN DISPOSITIF DE PROTECTION ELECTRONIQUE A ALIMENTATION AUTONOME**
[72] JEFFERIES, KEVIN, US
[73] SCHNEIDER ELECTRIC USA, INC., US
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[54] **DISPOSITIF ET METHODE POUR LE SURF**
[72] KRITICOS, STEPHEN CON, AU
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[54] **PROCEDE ET APPAREIL D'EMISSION/RECEPTION DE SIGNAL DE RADIODIFFUSION NUMERIQUE**
[72] CHOE, JEEHYUN, KR
[72] SUH, JONGYEUL, KR
[73] LG ELECTRONICS INC., KR
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[72] SCHARPF, ROBERT N., US
[72] EVATT, S. CLAY, US
[73] WABTEC HOLDING CORP., US
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[72] PECKHAM, JASON D., US
[73] WABTEC HOLDING CORP., US
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[54] **DETERMINING A QUANTIZATION DEPTH PARAMETER FOR THE LARGEST CODING UNIT OF A PICTURE, AND QUANTIZATION PARAMETER DIFFERENCES FOR EACH CODING UNIT WITHIN THE LARGEST CODING UNIT WHICH MEETS A PRESET CONDITION**
[54] **DETERMINATION D'UN PARAMETRE DE PROFONDEUR DE QUANTIFICATION DE LA PLUS GRANDE UNITE DE CODAGE D'UNE IMAGE ET DIFFERENCES DE PARAMETRE DE QUANTIFICATION POUR CHAQUE UNITE DE CODAGE DANS LA PLUS GRANDE UNITE DE CODAGE SATISFAISANT UNE CONDITION PREDETERMINEE**
[72] YANG, HAITAO, CN
[72] PANG, CHAO, CN
[72] OU, ZILIAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **VIDEO ENCODING DEVICE, VIDEO DECODING DEVICE, VIDEO ENCODING METHOD, AND VIDEO DECODING METHOD**
[54] **DISPOSITIF DE CODAGE VIDEO, DISPOSITIF DE DECODAGE VIDEO, PROCEDE DE CODAGE VIDEO ET PROCEDE DE DECODAGE VIDEO**
[72] AOKI, HIROFUMI, JP
[72] CHONO, KEIICHI, JP
[72] SENDA, YUZO, JP
[72] SENZAKI, KENTA, JP
[73] NEC CORPORATION, JP
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[54] **SURFACE DE COMMANDE POUR CREER UNE CAMBRURE VARIABLE LE LONG D'UNE AILE**
[72] MORRIS, CHARLES EUGENE, US
[72] SHEAHAN, JAMES JOSEPH, JR., US
[73] THE BOEING COMPANY, US
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[54] **ENSEMBLE ETANCHE POUR GUIRLANDE LUMINEUSE**
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[73] SHANDONG NEON KING ELECTRONICS CO., LTD., CN
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[72] KLENKLER, RICHARD A., CA
[72] BONGERS, AMANDA L., CA
[72] MCGUIRE, GREGORY M., CA
[73] XEROX CORPORATION, US
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[54] **RAILWAY SIGNALING SYSTEM WITH REDUNDANT CONTROLLERS**
[54] **SYSTEME DE SIGNALISATION FERROVIAIRE A CONTROLEURS REDONDANTS**
[72] LOSTUN, VIRGIL, CA
[72] KANNER, ABE, CA
[72] MAMMOLITI, SERGIO, CA
[72] FRASER, CAMERON, CA
[73] THALES CANADA INC., CA
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[73] XAMAX INDUSTRIES, INC., US
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[54] **A CORN STALK MATERIAL, A METHOD AND APPARATUS FOR PREPARING IT**
[54] **METHODE ET APPAREIL DE PREPARATION DE MATIERE D'EPI DE MAIS,**
[72] LI, HONGFA, CN
[72] HUA, XINSHENG, CN
[72] BI, YANJIN, CN
[73] SHANDONG TRALIN PAPER CO., LTD, CN
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[87] (2839073)
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[54] **SYSTEM AND METHOD OF SEPARATING HYDROCARBONS**
[54] **SYSTEME ET PROCEDE DE SEPARATION D'HYDROCARBURES**
[72] NEWMAN, PAUL, CA
[72] NILSEN, CHRISTIAN, US
[73] M-I LLC, US
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[54] **RECIPIENT-VERSEUR**
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[72] IIZUKA, SHIGEO, JP
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[54] **COMPOSE TETRACYCLINE SUBSTITUE PAR 9-AMINOMETHYLE**
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[72] DONG, YANYAN, CN
[73] KBP BIOSCIENCES CO., LTD., CN
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[54] **OUTIL D'ISOLATION DE BRUIT**
[72] REID, JUDE, CA
[73] FMC TECHNOLOGIES, INC., US
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[54] **MULTI-POSITION MECHANICAL SPEAR FOR MULTIPLE TENSION CUTS WITH RELEASABLE LOCKING FEATURE**
[54] **HARPON MECANIQUE MULTIPOSITION POUR COUPES MULTIPLES SOUS TENSION A VERROUILLAGE LIBERABLE**
[72] CROW, STEPHEN L., US
[72] GUIDRY, CHRISTOPHER W., US
[72] HERED, WILLIAM A., US
[73] BAKER HUGHES INCORPORATED, US
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[25] EN
[54] **UNDERWATER SLIDING MEMBER, METHOD FOR MANUFACTURING UNDERWATER SLIDING MEMBER, AND HYDRAULIC MACHINE**
[54] **ELEMENT GLISSANT SOUS-MARIN ET PROCEDE DE PRODUCTION DE CET ELEMENT ET MACHINE HYDRAULIQUE**
[72] LONG, THAN TRONG, JP
[72] OGUMA, TADASHI, JP
[72] KIZAKI, YASUMI, JP
[73] KABUSHIKI KAISHA TOSHIBA, JP
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[25] EN
[54] **MIGRATION-FREE, HALOGEN-FREE, FLAME RETARDANT THERMOPLASTIC POLYURETHANE COMPOSITIONS**
[54] **COMPOSITIONS DE POLYURETHANE THERMOPLASTIQUE IGNIFUGES EXEMPTES D'HALOGENE ET EXEMPTES DE MIGRATION**
[72] ZHU, LU JOURNEY, CN
[72] LI, BIN, CN
[72] LU, LAN, CN
[72] CHEN, GIVEN JING, CN
[72] DENG, QIN, CN
[72] GUO, DAVID HONGFEI, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2014-02-14
[86] 2011-08-31 (PCT/CN2011/079164)
[87] (WO2013/029250)

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[25] FR
[54] **WATER VAPOUR GENERATION PROCESS AND RECOVERY METHOD FOR CRUDE OIL BY STEAM-ASSITED GRAVITY DRAINAGE (SAGD) INCLUDING THE SAID WATER VAPOUR GENERATION PROCESS**
[54] **PROCEDE DE GENERATION DE VAPEUR D'EAU ET PROCEDE DE RECUPERATION DE PETROLE BRUT PAR DRAINAGE GRAVITAIRE ASSISTE PAR INJECTION DE VAPEUR D'EAU (SAGD) INCLUANT LEDIT PROCEDE DE GENERATION DE VAPEUR D'EAU**
[72] BERROS, JEREMY, FR
[72] TYE, PETER, CA
[73] INGENICA INGENIERIE INDUSTRIELLE, FR
[73] BRAIS MALOUIN AND ASSOCIATES INC., CA
[86] (2845898)
[87] (2845898)
[22] 2014-03-11
[30] FR (13 52 206) 2013-03-12

[11] **2,845,938**
[13] C
[51] **Int.Cl. A45C 13/18 (2006.01) A45C 3/06 (2006.01)**
[25] EN
[54] **CUT-PROOF ANTI-THEFT BAG CONSTRUCTION**
[54] **CONSTRUCTION DE SAC ANTIVOL RESISTANT AUX COUPURES**
[72] HAI, DU, US
[72] GODSHAW, DONALD E., US
[73] TRAVEL CADDY, INC. D/B/A TRAVELON, US
[85] 2014-02-19
[86] 2012-09-26 (PCT/US2012/057298)
[87] (WO2013/049176)
[30] US (13/245,319) 2011-09-26

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[25] EN
[54] **MULTI-STAGE CATALYTIC CARBOXYLATION OF MERCERIZED CELLULOSE FIBERS**
[54] **CARBOXYLATION CATALYTIQUE EN PLUSIEURS ETAPES DE FIBRES DE CELLULOSE MERCERISEES**
[72] WEERAWARNA, S. ANANDA, US
[73] WEYERHAEUSER NR COMPANY, US
[86] (2845998)
[87] (2845998)
[22] 2014-03-12
[30] US (13/853,733) 2013-03-29

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[51] **Int.Cl. F16L 47/18 (2006.01) F16L 11/15 (2006.01) F16L 21/00 (2006.01) F16L 27/11 (2006.01) F16L 51/02 (2006.01)**
[25] EN
[54] **EXPANSION COMPENSATOR WITH CONNECTORS**
[54] **COMPENSATEUR DE DILATATION DOTE DE CONNECTEURS**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
[86] (2846801)
[87] (2846801)
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[51] **Int.Cl. H04N 21/4227 (2011.01)**
[25] EN
[54] **EASY RF REMOTE CONTROL PAIRING FOR NETWORKED SET TOP BOXES**
[54] **APPARIEMENT FACILE A UNE TELECOMMANDE RF POUR DECODEURS EN RESEAU**
[72] HALE, NATHAN, US
[72] SCHAFER, ADAM, US
[72] MICKELSEN, JEREMY, US
[72] INNES, DAVID, US
[72] REAMS, WILLIAM, US
[73] ECHOSTAR TECHNOLOGIES L.L.C., US
[85] 2014-02-26
[86] 2012-08-30 (PCT/US2012/053162)
[87] (WO2013/033410)
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[25] EN
[54] **EXPANSION COMPENSATOR WITH MULTIPLE LAYERS WITH DIFFERING STIFFNESS**
[54] **COMPENSATEUR DE DILATATION DOTE DE MULTIPLES COUCHES AYANT UNE RIGIDITE DIFFERENTE**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
[86] (2846921)
[87] (2846921)
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[25] EN
[54] **HIGH VALUE ORGANIC-ENHANCED INORGANIC FERTILIZERS**
[54] **ENGRAIS INORGANIQUES AMELIORES PAR DE HAUTES VALEURS ORGANIQUES**
[72] DAHMS, GARY L., US
[72] CARR, JAMES P., US
[72] BURNHAM, JEFFREY C., US
[72] JARRETT, BARRY R., US
[73] ANUVIA PLANT NUTRIENTS HOLDINGS LLC, US
[85] 2014-03-06
[86] 2012-03-28 (PCT/US2012/030895)
[87] (WO2012/135317)
[30] US (61/468,157) 2011-03-28
[30] US (61/569,007) 2011-12-09
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[51] **Int.Cl. C02F 1/467 (2006.01) C25B 1/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING GERMICIDAL COMPOSITIONS**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION DE COMPOSITIONS GERMICIDES**
[72] DURHAM, CARMINE J., US
[72] MORGAN, R., ANDREW, US
[72] PAWLAK, MICHAEL C., US
[73] ZUREX PHARMAGRA, LLC, US
[85] 2014-03-13
[86] 2012-09-17 (PCT/US2012/055778)
[87] (WO2013/040569)
[30] US (61/535,829) 2011-09-16
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[25] EN
[54] **HIGH-STRENGTH HOT ROLLED STEEL SHEET WITH EXCELLENT BENDABILITY AND LOW-TEMPERATURE TOUGHNESS, AND METHOD FOR MANUFACTURING THE SAME**
[54] **FEUILLE D'ACIER LAMINEE A CHAUD A HAUTE RESISTANCE AYANT D'EXCELLENTES CARACTERISTIQUES DE FLEXION ET UNE EXCELLENTE TENACITE A BASSE TEMPERATURE ET SON PROCEDE DE FABRICATION**
[72] KAMI, CHIKARA, JP
[72] YAMAZAKI, KAZUHIKO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2014-04-07
[86] 2012-10-31 (PCT/JP2012/006975)
[87] (WO2013/065298)
[30] JP (2011-240051) 2011-11-01

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[25] EN
[54] **RECONFIGURABLE MULTIVIBRATOR ELEMENT BASED ON CHAOS CONTROL**
[54] **ELEMENT MULTIVIBRATEUR RECONFIGURABLE REPOSANT SUR LE CONTROLE DE CHAOS**
[72] CAMPOS CANTON, ERIC, MX
[72] CAMPOS CANTON, ISAAC, MX
[72] BARAJAS RAMIREZ, JUAN GONZALO, MX
[72] FERMAT FLORES, ALEJANDRO RICARDO, MX
[73] INSTITUTO POTOSINO DE INVESTIGACION CIENTIFICA Y TECNOLOGICA, AC., MX
[85] 2014-04-25
[86] 2012-11-01 (PCT/MX2012/000108)
[87] (WO2013/066143)
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[25] EN
[54] **USE OF 2 ANTI-SPARC ANTIBODIES TO PREDICT RESPONSE TO CHEMOTHERAPY**
[54] **UTILISATION DE 2 ANTICORPS ANTI-SPARC EN VUE DE PREVOIR LA REACTION A UNE CHIMIOTHERAPIE**
[72] TRIEU, VUONG, US
[72] DESAI, NEIL, US
[72] KNAUER, DANIEL, US
[73] ABRAXIS BIOSCIENCE, LLC, US
[86] (2853810)
[87] (2853810)
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[25] EN
[54] **RATCHET-TYPE EXPANSION SYSTEM FOR LUGGAGE**
[54] **SYSTEME D'EXPANSION DE TYPE A CLIQUET POUR BAGAGES**
[72] HOGAN, DONALD, US
[72] RADA, GEORGENE, US
[72] LOVERSO, JESSICA, US
[72] DIERKES, MATTHEW, US
[72] KRULIK, RICHARD, US
[73] BRIGGS & RILEY TRAVELWARE LLC, US
[85] 2014-04-29
[86] 2012-11-04 (PCT/US2012/063474)
[87] (WO2013/067470)
[30] US (61/628,725) 2011-11-04

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[51] **Int.Cl. E04C 1/00 (2006.01) E02D 29/02 (2006.01) E04B 2/14 (2006.01)**
[25] EN
[54] **CONCRETE MASONRY UNIT BLOCKS WITH DIMENSIONAL LUMBER POCKETS AND ASSEMBLIES OF BLOCKS AND LUMBER**
[54] **BLOCS D'UNITES DE MACONNERIE EN BETON AVEC POCHES DE BOIS D'OEUVRE DIMENSIONNELLES ET ENSEMBLES DE BLOCS ET DE BOIS D'OEUVRE**
[72] BROWNING, LEONARD, US
[72] RICE, DAVID RONALD, US
[73] OLDCASTLE ARCHITECTURAL, INC., US
[86] (2854048)
[87] (2854048)
[22] 2014-06-06
[30] US (61/832,360) 2013-06-07

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[25] EN
[54] **RECESS PLATE AND METHOD FOR DETECTING MEMBRANE LEAKAGE**
[54] **PLAQUE A CAVITE ET PROCEDE DE DETECTION D'UNE FUITE DE MEMBRANE**
[72] KILGUS, MICHAEL, DE
[73] OUTOTEC OYJ, FI
[85] 2014-05-01
[86] 2012-10-25 (PCT/EP2012/071099)
[87] (WO2013/068235)
[30] EP (11188604.0) 2011-11-10

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[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **BLOWOUT PREVENTER TRANSPORT AND HANDLING SYSTEM**
[54] **SYSTEME DE TRANSPORT ET DE MANUTENTION D'OBTURATEUR DE PUITS**
[72] VOGT, DEWAYNE G., US
[73] WOOLSLAYER COMPANIES, INC., US
[86] (2854343)
[87] (2854343)
[22] 2014-06-13
[30] US (14/023,943) 2013-09-11

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[51] **Int.Cl. A23L 2/00 (2006.01) A23L 2/38 (2006.01)**
[25] EN
[54] **NON-ALCOHOL BEER-TASTE BEVERAGE**
[54] **BOISSON SANS ALCOOL AU GOUT DE BIERE**
[72] TERANISHI, TAKESHI, JP
[72] MOTOHASHI, ITSUKI, JP
[73] SUNTORY HOLDINGS LIMITED, JP
[85] 2014-05-12
[86] 2012-09-03 (PCT/JP2012/072314)
[87] (WO2013/077055)
[30] JP (2011-254874) 2011-11-22

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[51] **Int.Cl. C02F 1/42 (2006.01) C02F 5/00 (2006.01)**
[25] EN
[54] **SEPARATION OF ALKALI EARTH METALS AND HEAVY METALS BY MEANS OF A SELECTIVE CATION EXCHANGE COLUMN IN THE BUFFERING MODE**
[54] **SEPARATION DE METAUX ALCALINOTERREUX ET DE METAUX LOURDS AU MOYEN D'UNE COLONNE D'ECHANGE SELECTIF DE CATIONS EN MODE TAMPON**
[72] HARTEL, JOHANNES, DE
[73] JOHNSON MATTHEY PLC., GB
[85] 2014-04-09
[86] 2012-10-12 (PCT/EP2012/004286)
[87] (WO2013/053496)
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[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F02C 3/113 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **GEARED TURBOFAN GAS TURBINE ENGINE ARCHITECTURE**
[54] **ARCHITECTURE DE MOTEUR A TURBINE A GAZ A DOUBLE FLUX ET A ENGRENAGES**
[72] KUPRATIS, DANIEL BERNARD, US
[72] SCHWARZ, FREDERICK M., US
[73] UNITED TECHNOLOGIES CORPORATION, US
[85] 2014-05-23
[86] 2013-01-29 (PCT/US2013/023603)
[87] (WO2013/158187)
[30] US (13/363,154) 2012-01-31
[30] US (61/653,762) 2012-05-31
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[51] **Int.Cl. H04R 3/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MICROPHONE POSITIONING BASED ON A SPATIAL POWER DENSITY**
[54] **APPAREIL ET PROCEDE DE POSITIONNEMENT DE MICROPHONE BASE SUR UNE DENSITE D'ENERGIE SPATIALE**
[72] DEL GALDO, GIOVANNI, DE
[72] THIERGART, OLIVER, DE
[72] KUCH, FABIAN, DE
[72] HABETS, EMANUEL, DE
[72] CRACIUN, ALEXANDRA, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2014-05-30
[86] 2012-11-29 (PCT/EP2012/073906)
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[30] EP (11191828.0) 2011-12-02
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[51] **Int.Cl. G01V 1/36 (2006.01)**
[25] EN
[54] **ITERATIVE DIP-STEERING MEDIAN FILTER FOR SEISMIC DATA PROCESSING**
[54] **FILTRE MEDIAN A DIRECTION INCLINEE ITERATIF POUR TRAITEMENT DE DONNEES SISMIQUES**
[72] HUO, SHOUDONG, SA
[72] ZHU, WEIHONG, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2014-06-03
[86] 2012-12-14 (PCT/US2012/069736)
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[30] US (61/570,916) 2011-12-15

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[25] EN
[54] **NOVEL OLIGONUCLEOTIDE CONJUGATES AND USE THEREOF**
[54] **NOUVEAUX CONJUGUES OLIGONUCLEOTIDIQUES ET LEUR UTILISATION**
[72] CHAE, JEIWOOK, KR
[72] HAN, BORAM, KR
[72] KIM, HAN-NA, KR
[72] PARK, HAN OH, KR
[72] YOON, PYOUNG OH, KR
[72] KIM, SUN GI, KR
[72] JUNG, KWANG-JU, KR
[72] KWON, TAEWOO, KR
[72] CHOI, JONG DEOK, KR
[72] LEE, SAM YOUNG, KR
[72] JUNG, EUN-JUNG, KR
[73] BIONEER CORPORATION, KR
[85] 2014-06-12
[86] 2012-12-14 (PCT/KR2012/010967)
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[30] KR (10-2011-0135162) 2011-12-15
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[13] C
[51] **Int.Cl. C09K 8/508 (2006.01)**
[25] EN
[54] **WELLBORE SERVICING COMPOSITIONS AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITIONS D'ENTRETIEN DE PUITS DE FORAGE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MILLER, MATTHEW LYNN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2014-06-12
[86] 2013-01-11 (PCT/US2013/021226)
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[51] **Int.Cl. E01H 10/00 (2006.01)**
[25] EN
[54] **METHODS FOR FILLING AND EMPTYING A LIQUID TANK OF A SPREADER FOR WINTER SERVICE VEHICLES, AND SPREADER**
[54] **PROCEDE DE REMPLISSAGE ET DE VIDAGE D'UN RESERVOIR A LIQUIDE D'UN APPAREIL D'EPANDAGE POUR VEHICULES DU SERVICE HIVERNAL AINSI QU'APPAREIL D'EPANDAGE**
[72] ISELE, ROLF, DE
[73] KUPPER-WEISSER GMBH, DE
[85] 2014-06-13
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[25] EN
[54] **STRUCTURAL INSERTS FOR HONEYCOMB STRUCTURES**
[54] **PIECES RAPPORTEES STRUCTURELLES POUR STRUCTURES EN NID D'ABEILLE**
[72] HOLEMANS, PETER, US
[73] THE BOEING COMPANY, US
[86] (2859329)
[87] (2859329)
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[30] US (14/016691) 2013-09-03

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[54] **ASYMMETRICAL TOOTHED WHEEL**
[54] **ROUE DENTEE ASYMETRIQUE**
[72] RATTUNDE, ULRICH, DE
[73] RATTUNDE & CO GMBH, DE
[85] 2014-06-20
[86] 2012-12-28 (PCT/EP2012/077044)
[87] (WO2013/098388)
[30] DE (DE 10 2011 057 099.3) 2011-12-28

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[25] EN
[54] **FUSED TETRA OR PENTA-CYCLIC PYRIDOPHTHALAZINONES AS PARP INHIBITORS**
[54] **PYRIDOPHTHALAZINONES TETRA OU PENTACYCLIQUES FUSIONNES A UTILISER EN TANT QU'INHIBITEURS DE PARP**
[72] ZHOU, CHANGYOU, US
[72] REN, BO, CN
[72] WANG, HEXIANG, CN
[73] BEIGENE, LTD., KY
[85] 2014-06-23
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[51] **Int.Cl. H04L 12/851 (2013.01)**
[25] EN
[54] **HANDLING DUAL PRIORITY CONFIGURATIONS IN A WIRELESS COMMUNICATION NETWORK**
[54] **GESTION DE CONFIGURATIONS A DOUBLE PRIORITE DANS UN RESEAU DE COMMUNICATION SANS FIL**
[72] GUPTA, VIVEK, US
[73] INTEL CORPORATION, US
[85] 2014-07-16
[86] 2013-02-05 (PCT/US2013/024793)
[87] (WO2013/119583)
[30] US (61/595,576) 2012-02-06
[30] US (13/526,307) 2012-06-18
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[25] EN
[54] **APPARATUS FOR UNLOADING A USER'S BODY WEIGHT DURING A PHYSICAL ACTIVITY OF SAID USER, PARTICULARLY FOR GAIT TRAINING OF SAID USER**
[54] **APPAREIL PERMETTANT DE SOULAGER UN UTILISATEUR DU POIDS DE SON CORPS AU COURS D'UNE ACTIVITE PHYSIQUE DUDIT UTILISATEUR, EN PARTICULIER POUR L'ENTRAINEMENT A LA MARCHE**
[72] VALLERY, HEIKE, DE
[72] LUTZ, PETER, CH
[73] LUTZ MEDICAL ENGINEERING, CH
[73] ETH ZURICH, CH
[73] UNIVERSITAT ZURICH, CH
[85] 2014-07-17
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[87] (WO2013/117750)
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[54] **CROWN GEAR DECELERATION MECHANISM**
[54] **MECANISME DE DECELERATION A GRANDE COURONNE**
[72] TAKAHASHI, TAKAYUKI, JP
[72] SASAKI, HIROYUKI, JP
[73] NATIONAL UNIVERSITY CORPORATION FUKUSHIMA UNIVERSITY, JP
[85] 2014-07-29
[86] 2012-11-13 (PCT/JP2012/079429)
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[51] **Int.Cl. G01D 11/00 (2006.01) G01N 27/416 (2006.01) G01N 37/00 (2006.01) H01M 10/44 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **RAPID CHARGING AND POWER MANAGEMENT OF A BATTERY-POWERED FLUID ANALYTE METER**
[54] **CHARGE RAPIDE ET GESTION D'ENERGIE D'UN APPAREIL DE MESURE DE SUBSTANCE A ANALYSER FLUIDE ALIMENTEE PAR PILE**
[72] CHEN, JUN, US
[72] GOFMAN, IGOR, US
[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[86] (2863480)
[87] (2863480)
[22] 2008-05-29
[62] 2,707,315
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[25] EN
[54] **SURROUNDINGS MONITORING SYSTEM, WORK VEHICLE, AND SURROUNDINGS MONITORING METHOD**
[54] **MECANISME DE SURVEILLANCE D'ENTOURAGE, VEHICULE DE TRAVAIL ET METHODE DE SURVEILLANCE D'ENTOURAGE**
[72] KURIHARA, TAKESHI, JP
[72] NAKANISHI, YUKIHIRO, JP
[73] KOMATSU LTD., JP
[85] 2014-08-28
[86] 2014-04-25 (PCT/JP2014/061801)
[87] (WO2015/162800)

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[51] **Int.Cl. A62D 3/35 (2007.01) B01J 37/00 (2006.01)**
[25] EN
[54] **HYDROLYSIS OF USED IONIC LIQUID CATALYST FOR DISPOSAL**
[54] **HYDROLYSE DE CATALYSEUR LIQUIDE IONIQUE USE POUR ELIMINATION**
[72] TIMKEN, HYE-KYUNG CHO, US
[72] HEALY, SHAWN STEPHEN, US
[72] WINTER, SHAWN SHLOMO, US
[73] CHEVRON U.S.A. INC., US
[85] 2014-08-07
[86] 2013-02-05 (PCT/US2013/024728)
[87] (WO2013/122777)
[30] US (13/396,121) 2012-02-14

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[13] C
[51] **Int.Cl. G01F 25/00 (2006.01) G01F 1/66 (2006.01)**
[25] EN
[54] **CALIBRATION TUBE FOR MULTIPHASE FLOWMETERS**
[54] **TUBE D'ETALONNAGE DESTINE A DES DEBITMETRES POLYPHASES**
[72] HURMUZLU, YILDIRIM, US
[72] RICHER, EDMOND, US
[73] MULTIPHASE FLOW INTERNATIONAL LLC, US
[85] 2014-08-07
[86] 2012-02-22 (PCT/US2012/026012)
[87] (WO2012/116002)
[30] US (13/032,460) 2011-02-22

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[13] C
[51] **Int.Cl. G06T 5/50 (2006.01) H04N 5/343 (2011.01) H04N 5/335 (2011.01)**
[25] EN
[54] **USING NARROW FIELD OF VIEW MONOCHROME CAMERA FOR PRODUCING A ZOOMED IMAGE**
[54] **UTILISATION D'UNE CAMERA MONOCHROME A CHAMP DE VISION PETIT ANGULAIRE POUR PRODUIRE UNE IMAGE ZOOMEE**
[72] GRANDIN, THOMAS GUILLAUME, CA
[72] SHAH, JOEY, CA
[72] CHOI, YUN SEOK, CA
[73] BLACKBERRY LIMITED, CA
[86] (2864355)
[87] (2864355)
[22] 2014-09-18
[30] US (14/030,353) 2013-09-18

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[13] C
[51] **Int.Cl. G06K 19/07 (2006.01) G06K 7/00 (2006.01) G07C 9/00 (2006.01)**
[25] EN
[54] **SYSTEM INCORPORATING ACTIVELY AUTHENTICATED MULTIFACTOR PROXIMITY CARD**
[54] **SYSTEME INTEGRANT UNE CARTE DE PROXIMITE MULTIFACTEUR AUTHENTIFIEE ACTIVEMENT**
[72] POPOWSKI, PAUL M., US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2864362)
[87] (2864362)
[22] 2014-09-18
[30] US (14/044,230) 2013-10-02

[11] **2,864,647**
[13] C
[51] **Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)**
[25] EN
[54] **LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 16200 AND CODE RATE OF 4/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME**
[54] **CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 16 200 BITS ET UN TAUX DE CODE DE 4/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR**
[72] PARK, SUNG-IK, KR
[72] KIM, HEUNG-MOOK, KR
[72] KWON, SUN-HYOUNG, KR
[72] HUR, NAM-HO, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (2864647)
[87] (2864647)
[22] 2014-09-25
[30] KR (10-2014-0106175) 2014-08-14
[30] KR (10-2014-0120010) 2014-09-11

[11] **2,864,718**
[13] C
[51] **Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)**
[25] EN
[54] **LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 5/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME**
[54] **CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 BITS ET UN TAUX DE CODE DE 5/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR**
[72] PARK, SUNG-IK, KR
[72] KIM, HEUNG-MOOK, KR
[72] KWON, SUN-HYOUNG, KR
[72] HUR, NAM-HO, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (2864718)
[87] (2864718)
[22] 2014-09-25
[30] KR (10-2014-0106181) 2014-08-14
[30] KR (10-2014-0117504) 2014-09-04

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[13] C
[51] **Int.Cl. A23K 20/189 (2016.01) A23K 50/10 (2016.01) A23K 50/30 (2016.01) A23K 50/75 (2016.01) C12N 9/16 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR REDUCING THE ENVIRONMENTAL IMPACT OF ANIMAL WASTE**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT DE REDUIRE L'IMPACT ENVIRONNEMENTAL DES DECHETS D'ORIGINE ANIMALE**
[72] ANDERSON, DAVID M., US
[72] PODKOVYROV, SERGEY, US
[72] HUANG, YUEFANG, US
[72] SCHUSTER, KURT, US
[72] FERREL, JON EDWARD, US
[73] ELI LILLY AND COMPANY, US
[85] 2014-08-18
[86] 2013-02-07 (PCT/US2013/025006)
[87] (WO2013/122799)
[30] US (61/599,729) 2012-02-16

[11] **2,865,772**
[13] C
[51] **Int.Cl. C03B 23/24 (2006.01)**
[25] EN
[54] **VACUUM PUMPING DEVICE, VACUUM GLAZING MANUFACTURING SYSTEM, AND RELATED METHOD**
[54] **DISPOSITIF D'EXTRACTION SOUS VIDE, SYSTEME DE FABRICATION DE VERRE SOUS VIDE, ET PROCEDE ASSOCIE**
[72] TANG, JIANZHENG, CN
[72] WANG, LIGUO, CN
[73] BEIJING SYNERGY VACUUM GLAZING TECHNOLOGY CO., LTD., CN
[85] 2014-08-28
[86] 2013-07-19 (PCT/CN2013/079719)
[87] (WO2014/023154)
[30] CN (201210291474.7) 2012-08-10

[11] **2,866,237**
[13] C
[51] **Int.Cl. G03G 9/08 (2006.01) G03G 9/087 (2006.01) G03G 9/09 (2006.01)**
[25] EN
[54] **TONER, DEVELOPER, AND COLOR TONER SET**
[54] **TONER, DEVELOPPEUR ET JEUX DE TONERS DE COULEUR**
[72] SHIBA, MASANA, JP
[72] YAMASHITA, HIROSHI, JP
[72] SUGIMOTO, TSUYOSHI, JP
[72] ASAHINA, DAISUKE, JP
[72] FUKUDA, YUKARI, JP
[72] TAKAHASHI, RINTARO, JP
[72] SEKIGUCHI, SATOYUKI, JP
[73] RICOH COMPANY, LTD., JP
[85] 2014-09-03
[86] 2013-02-28 (PCT/JP2013/056223)
[87] (WO2013/141029)
[30] JP (2012-065422) 2012-03-22
[30] JP (2012-235956) 2012-10-25

[11] **2,866,264**
[13] C
[51] **Int.Cl. G01F 1/84 (2006.01)**
[25] EN
[54] **CORIOLIS FLOWMETER WITH MANIFOLD PRESSURE LOSS REDUCTION**
[54] **DEBITMETRE A EFFET DE CORIOLIS OFFRANT UNE REDUCTION DE PERTE DE PRESSION DU COLLECTEUR**
[72] SUKEMURA, NORIO, JP
[72] MOTOMIYA, TAKESHI, JP
[73] OVAL CORPORATION, JP
[85] 2014-09-03
[86] 2013-03-13 (PCT/JP2013/057934)
[87] (WO2013/161457)
[30] JP (2012-101144) 2012-04-26

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[13] C
[51] **Int.Cl. E21B 7/08 (2006.01) E21B 7/06 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **WELLBORE CASING SECTION WITH MOVEABLE PORTION FOR PROVIDING A CASING EXIT**
[54] **SECTION DE TUBAGE DE TROU DE FORAGE AVEC PARTIE MOBILE POUR MENAGER UNE SORTIE DE TUBAGE**
[72] DANCER, WILLIAM WALLACE, US
[72] DONOVAN, STACEY BLAINE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2014-09-09
[86] 2012-04-30 (PCT/US2012/035754)
[87] (WO2013/165342)

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[13] C
[51] **Int.Cl. F15B 21/00 (2006.01)**
[25] EN
[54] **VIBRATION DAMPING SYSTEM BY MEANS OF A HYDRAULIC ACTUATION SYSTEM**
[54] **SYSTEME D'AMORTISSEMENT DES VIBRATIONS UTILISANT UN SYSTEME D'ACTIONNEMENT HYDRAULIQUE**
[72] DE LUCA, ANDREA, IT
[72] VERGANO, CARLO, IT
[72] DEL TEDESCO, STEFANO, IT
[72] TONOLI, ANDREA, IT
[72] PRISTERA', CARMINE, IT
[72] AMATI, NICOLA, IT
[73] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2014-09-10
[86] 2013-03-26 (PCT/IB2013/052386)
[87] (WO2013/144831)
[30] IT (MI2012A000476) 2012-03-26

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[13] C
[51] **Int.Cl. H01M 8/04858 (2016.01) H01M 8/1018 (2016.01)**
[25] EN
[54] **CONTROLLABLE OUTPUT VOLTAGE FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE A TENSION DE SORTIE CONTROLABLE**
[72] MATSUSUE, MASAAKI, JP
[72] IKEDA, KOTARO, JP
[72] INOUE, YUMI, JP
[73] TOYOTA JIDOSHA KUBUSHIKI KAISHA, JP
[85] 2014-09-10
[86] 2012-03-15 (PCT/JP2012/056756)
[87] (WO2013/136494)

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[13] C
[51] **Int.Cl. A63B 71/08 (2006.01) A41D 13/05 (2006.01)**
[25] EN
[54] **ARTICLES OF APPAREL INCORPORATING CUSHIONING ELEMENTS**
[54] **ARTICLES D'HABILLEMENT INTEGRANT DES ELEMENTS DE REMBOURRAGE**
[72] TURNER, DAVID, US
[73] NIKE INNOVATE C.V., US
[85] 2014-09-25
[86] 2013-04-08 (PCT/US2013/035576)
[87] (WO2013/154969)
[30] US (13/442,537) 2012-04-09

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[11] **2,869,141**
[13] C
[51] **Int.Cl. C08F 220/06 (2006.01) A61L 15/60 (2006.01) C08L 33/02 (2006.01)**
[25] EN
[54] **POLY(ACRYLIC ACID) FROM BIO-BASED ACRYLIC ACID AND ITS DERIVATIVES**
[54] **POLY(ACIDE ACRYLIQUE) PRODUIT A PARTIR D'ACIDE ACRYLIQUE BIO-RESSOURCE ET SES DERIVES**
[72] GODLEWSKI, JANE ELLEN, US
[72] LINGOES, JANETTE VILLALOBOS, US
[72] COLLIAS, DIMITRIS IOANNIS, US
[72] MEYER, AXEL, DE
[72] DZIEZOK, PETER, DE
[72] VELASQUEZ, JUAN ESTEBAN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2014-09-30
[86] 2013-04-11 (PCT/US2013/036162)
[87] (WO2013/155296)
[30] US (61/623,054) 2012-04-11
[30] US (13/760,527) 2013-02-06
[30] US (13/835,187) 2013-03-15
[30] US (13/838,917) 2013-03-15

[11] **2,869,880**
[13] C
[51] **Int.Cl. G03G 9/08 (2006.01) C08J 3/16 (2006.01)**
[25] EN
[54] **SUPER LOW MELT TONER HAVING CRYSTALLINE IMIDES**
[54] **TONER A TRES FAIBLE POINT DE FUSION COMPORTANT DES IMIDES CRISTALLINES**
[72] WOSNICK, JORDAN H., CA
[72] ZHOU, KE, CA
[72] MORIMITSU, KENTARO, CA
[72] HAWKINS, MICHAEL S., CA
[72] ZWARTZ, EDWARD G., CA
[72] FARRUGIA, VALERIE M., CA
[73] XEROX CORPORATION, US
[86] (2869880)
[87] (2869880)
[22] 2014-11-04
[30] US (14/076,712) 2013-11-11

[11] **2,871,421**
[13] C
[51] **Int.Cl. F42B 12/44 (2006.01) F42B 12/62 (2006.01) F42B 19/00 (2006.01)**
[25] EN
[54] **MINIATURE TORPEDO**
[54] **TORPILLE MINIATURE**
[72] RIVOLI, LOUIS, US
[73] THE BOEING COMPANY, US
[85] 2014-10-23
[86] 2013-03-07 (PCT/US2013/029505)
[87] (WO2013/187952)
[30] US (13/494,243) 2012-06-12

[11] **2,872,354**
[13] C
[51] **Int.Cl. C01B 32/40 (2017.01) C07C 68/00 (2006.01) C07C 201/02 (2006.01) C07D 301/04 (2006.01) C07D 305/12 (2006.01) C25B 1/02 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF CHEMICAL COMPOUNDS FROM CARBON DIOXIDE**
[54] **PROCEDE DE PRODUCTION DE COMPOSES CHIMIQUES A PARTIR DE DIOXYDE DE CARBONE**
[72] SCHJODT, NIELS CHRISTIAN, DK
[72] BOGILD HANSEN, JOHN, DK
[72] FRIIS PEDERSEN, CLAUS, DK
[73] HALDOR TOPSOE A/S, DK
[85] 2014-10-31
[86] 2013-04-11 (PCT/EP2013/057567)
[87] (WO2013/164172)
[30] DK (PA 2012 70225) 2012-05-02

[11] **2,872,403**
[13] C
[51] **Int.Cl. E21B 23/06 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **DISINTEGRABLE METAL CONE, PROCESS OF MAKING, AND USE OF THE SAME**
[54] **CONE METALLIQUE DESINTEGRABLE, SON PROCEDE DE FABRICATION ET SON UTILISATION**
[72] XU, ZHIYUE, US
[72] XU, YINGQING, US
[72] HERN, GREGORY LEE, US
[72] RICHARD, BENNETT M., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2014-10-31
[86] 2013-04-04 (PCT/US2013/035261)
[87] (WO2013/169417)
[30] US (13/466,329) 2012-05-08

[11] **2,872,865**
[13] C
[51] **Int.Cl. E21B 49/10 (2006.01)**
[25] EN
[54] **FORMATION ENVIRONMENT SAMPLING APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES D'ECHANTILLONNAGE D'ENVIRONNEMENT DE FORMATION**
[72] DIRKSEN, RONALD JOHANNES, US
[72] PROETT, MARK A., US
[72] WILSON, JIM, US
[72] EYUBOGLU, ABBAS SAMI, US
[72] ZHANG, LIZHENG, US
[72] ZHANG, WEI, US
[72] HADIBEIK, ABDOLHAMID, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2014-11-06
[86] 2012-05-07 (PCT/US2012/036791)
[87] (WO2013/169224)

[11] **2,873,086**
[13] C
[51] **Int.Cl. F16K 41/12 (2006.01)**
[25] EN
[54] **VALVE AND DIAPHRAGM FOR A VALVE**
[54] **SOUPAPE ET DIAPHRAGME DE SOUPAPE**
[72] SUDEL, MATTHIAS, DE
[72] PIEPLOW, JORG, DE
[73] GEA TUCHENHAGEN GMBH, DE
[85] 2014-11-10
[86] 2013-05-03 (PCT/EP2013/001315)
[87] (WO2013/170931)
[30] DE (10 2012 009 585.6) 2012-05-15

[11] **2,874,731**
[13] C
[51] **Int.Cl. E21B 10/26 (2006.01) E21B 10/42 (2006.01) E21B 10/43 (2006.01)**
[25] EN
[54] **FACE STABILIZED DOWNHOLE CUTTING TOOL**
[54] **OUTIL DE COUPE DE FOND DE TROU A STABILISATION DE FACE**
[72] STOWE, CALVIN J., II, US
[73] BAKERS HUGHES INCORPORATED, US
[85] 2014-11-24
[86] 2013-06-04 (PCT/US2013/044041)
[87] (WO2013/184644)
[30] US (13/487,844) 2012-06-04

[11] **2,875,392**
[13] C
[51] **Int.Cl. G06T 3/00 (2006.01) H04N 5/262 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **PRODUCT IMAGING DEVICE, PRODUCT IMAGING METHOD, IMAGE CONVERSION DEVICE, IMAGE PROCESSING DEVICE, IMAGE PROCESSING SYSTEM, PROGRAM, AND INFORMATION RECORDING MEDIUM**
[54] **DISPOSITIF D'IMAGERIE D'UN PRODUIT, PROCEDE D'IMAGERIE D'UN PRODUIT, DISPOSITIF DE CONVERSION D'IMAGES, DISPOSITIF DE TRAITEMENT D'IMAGES, SYSTEME DE TRAITEMENT D'IMAGES, PROGRAMME ET SUPPORT D'ENREGISTREMENT D'INFORMATIONS**
[72] HIRANO, HIROMI, JP
[73] RAKUTEN, INC., JP
[86] (2875392)
[87] (2875392)
[22] 2010-09-29
[62] 2,809,301
[30] JP (2010-192927) 2010-08-30

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[13] C
[51] **Int.Cl. B22D 11/18 (2006.01)**
[25] EN
[54] **CONTROL METHOD AND APPARATUS FOR CONTINUOUS CASTING STEEL POURING**
[54] **PROCEDE DE COMMANDE ET APPAREIL DE COULAGE CONTINU D'ACIER DE MOULAGE**
[72] TANG, ANXIANG, CN
[72] SHENTU, LIFENG, CN
[72] HU, JIKANG, CN
[72] CAO, DEAN, CN
[72] WANG, XINGYU, CN
[72] CHEN, CHEN, CN
[72] YAO, JIANQING, CN
[72] LU, XINGHUA, CN
[72] CHEN, JINSONG, CN
[72] FENG, AIPING, CN
[72] YU, XIAOGUANG, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2014-12-05
[86] 2012-12-10 (PCT/CN2012/001660)
[87] (WO2014/000135)
[30] CN (201210219611.6) 2012-06-29

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[13] C
[51] **Int.Cl. C07F 9/6561 (2006.01) A61K 31/675 (2006.01) A61P 31/04 (2006.01) C07F 9/60 (2006.01)**
[25] EN
[54] **PRODRUG DERIVATIVES OF (E)-N-METHYL-N-((3-METHYLBENZOFURAN-2-YL)METHYL)-3-(7-OXO-5,6,7,8-TETRAHYDRO-1,8-NAPHTHYRIDIN-3-YL)ACRYLAMIDE**
[54] **DERIVES DE TYPE PROMEDICAMENT DU (E)-N-METHYL-N-((3-METHYLBENZOFURAN-2-YL) METHYL)-3-(7-OXO-5,6,7,8-TETRAHYDRO-L,8-NAPHTYRIDIN-3-YL)ACRYLAMIDE**
[72] PARTRIDGE, JOHN J., US
[72] COLUCCI, JOHN, CA
[72] GAREAU, YVES, CA
[72] THERIEN, MICHEL, CA
[72] ZAMBONI, ROBERT, CA
[72] HAFKIN, BARRY, US
[72] MARFAT, ANTHONY, US
[72] ZAGHDANE, HELMI, CA
[73] DEBIOPHARM INTERNATIONAL SA, CH
[85] 2014-12-05
[86] 2013-06-19 (PCT/IB2013/001780)
[87] (WO2013/190384)
[30] US (61/661,559) 2012-06-19

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[11] **2,877,779**
[13] C
[51] **Int.Cl. A47J 39/02 (2006.01) F24C 15/16 (2006.01)**
[25] EN
[54] **MOIST AND CRISPY PRODUCT HOLDING CABINET WITH HEATED AIRFLOW**
[54] **ARMOIRE DE SUPPORT D'UN PRODUIT HUMIDE ET CROQUANT AYANT UN ECOULEMENT D'AIR CHAUFFE**
[72] STANGER, KEITH A., US
[73] THE DELFIELD COMPANY, LLC, US
[85] 2014-12-22
[86] 2013-06-21 (PCT/US2013/047044)
[87] (WO2014/004291)
[30] US (61/664,688) 2012-06-26

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[11] **2,878,532**
[13] C
[51] **Int.Cl. B42D 3/12 (2006.01)**
[25] EN
[54] **BOOK WITH WRITING INSTRUMENT STORAGE SPACE**
[54] **LIVRE DOTE D'UN ESPACE DE RANGEMENT D'INSTRUMENT D'ECRITURE**
[72] SEOK, BONG SOO, CA
[72] KANG, EUGENE, CA
[73] SEOK, BONG SOO, CA
[73] KANG, EUGENE, CA
[86] (2878532)
[87] (2878532)
[22] 2015-01-19

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[13] C
[51] **Int.Cl. A61K 8/25 (2006.01) A61K 8/02 (2006.01) A61K 8/11 (2006.01) A61K 8/34 (2006.01) A61Q 5/00 (2006.01)**
[25] EN
[54] **THREE-LAYERED HAIR CONDITIONING COMPOSITION AND CONSUMER PRODUCT**
[54] **COMPOSITION APRES SHAMPOOING A TROIS COUCHES ET PRODUIT DE CONSOMMATION**
[72] RECINE, JENNIFER MARIE, US
[72] SALTO, JOHN J., US
[72] HAWKINS, GEOFFREY, US
[73] ELC MANAGEMENT LLC, US
[85] 2015-01-19
[86] 2013-07-23 (PCT/US2013/051706)
[87] (WO2014/018543)
[30] US (61/675,377) 2012-07-25

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[13] C
[51] **Int.Cl. B60K 15/04 (2006.01)**
[25] EN
[54] **FUEL FILL APPARATUS FOR USE WITH FUEL TANKS**
[54] **APPAREIL DE REMPLISSAGE DE CARBURANT DESTINE A ETRE UTILISE AVEC DES RESERVOIRS DE CARBURANT**
[72] WHELAN, SEAN, US
[72] SLABAUGH, ANTHONY, US
[72] BOSTWICK, CHRISTOPHER, US
[73] BRUNSWICK CORPORATION, US
[85] 2015-01-22
[86] 2013-07-15 (PCT/US2013/050496)
[87] (WO2014/022083)
[30] US (13/564,388) 2012-08-01

[11] **2,880,557**
[13] C
[51] **Int.Cl. B21D 53/00 (2006.01) B21D 39/03 (2006.01) C23C 2/06 (2006.01) C23C 2/26 (2006.01) C23C 2/34 (2006.01) C22C 18/00 (2006.01)**
[25] EN
[54] **GALVANIZED METAL OBJECTS AND THEIR MANUFACTURING PROCESS**
[54] **OBJETS METALLIQUES GALVANISES ET LEUR PROCEDE DE FABRICATION**
[72] BAUMGURTEL, LARS, DE
[72] RAHLKE, MICHAEL, GB
[73] FONTAINE HOLDINGS NV, BE
[86] (2880557)
[87] (2880557)
[22] 2015-01-28
[30] EP (14157634.8) 2014-03-04

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[13] C
[51] **Int.Cl. B21D 22/14 (2006.01)**
[25] EN
[54] **SPINNING FORMING APPARATUS AND FORMING METHOD**
[54] **DISPOSITIF DE FLUOTOURNAGE ET PROCEDE DE MOULAGE**
[72] OGISHI, HIDEYUKI, JP
[72] IWASAKI, HAYATO, JP
[72] IMAMURA, YOSHIHIDE, JP
[72] SAKANE, YUTO, JP
[72] TSUJI, TOSHIRO, JP
[72] KITANO, HIROSHI, JP
[72] HARA, KAZUNORI, JP
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
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[87] (WO2014/024384)
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[54] **SYSTEME, APPAREIL ET PROCEDE DE COLLECTE D'URINE**
[72] MOGHE, AJIT K., US
[72] ELLIOTT, CHELSEY, US
[72] PATEL, HARISH A., US
[73] COVIDIEN LP, US
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[54] **SELF-PROPELLED AGRICULTURAL MACHINE WITH DUAL DRIVING MODES**
[54] **MACHINE AGRICOLE AUTOTRACTEE A DEUX MODES DE CONDUITE**
[72] NAFZIGER, BRENDON, US
[72] SOLDAN, DANIEL J., US
[72] PRUITT, MARTIN E., US
[72] TREFFER, DOUGLAS R., US
[73] AGCO CORPORATION, US
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[54] **SUBSTITUTED N-(4-FLUORO-2-METHOXY-5-NITROPHENYL)PYRIMIDIN-2-AMINE COMPOUNDS, AND SALTS THEREOF**
[54] **COMPOSES DE N-(4-FLUORO-2-METHOXY-5-NITROPHENYL)PYRIMIDINE-2-AMINE SUBSTITUTE ET SELS DE CELUI-CI**
[72] BUTTERWORTH, SAM, US
[72] FINLAY, MAURICE RAYMOND VERSCHOYLE, US
[72] WARD, RICHARD ANDREW, US
[72] KADAMBAR, VASANTHA KRISHNA, US
[72] CHINTAKUNTLA, CHANDRASEKHARA REDDY, US
[72] MURUGAN, ANDIAPPAN, US
[72] REDFEARN, HEATHER MARIE, US
[72] CHUAQUI, CLAUDIO EDMUNDO, US
[73] ASTRAZENECA AB, SE
[86] (2881987)
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[25] EN
[54] **CONFIGURABLE INPUT/OUTPUT UNIT**
[54] **UNITE D'ENTREE/SORTIE CONFIGURABLE**
[72] GALIBOIS, MICHEL, CA
[72] COTE, YANICK, CA
[73] CAE INC., CA
[73] GALIBOIS, MICHEL, CA
[73] COTE, YANICK, CA
[86] (2882009)
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[22] 2015-02-13
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[25] EN
[54] **SUBSTITUTED N-(2-METHOXY-5-NITROPHENYL)PYRIMIDIN-2-AMINE COMPOUNDS, AND SALTS THEREOF**
[54] **COMPOSES DE N-(2-METHOXY-5-NITROPHENYL)PYRIMIDINE-2-AMINE SUBSTITUE ET SELS DE CEUX-CI**
[72] BUTTERWORTH, SAM, GB
[72] FINLAY, MAURICE RAYMOND VERSCHOYLE, GB
[72] WARD, RICHARD ANDREW, GB
[72] KADAMBAR, VASANTHA KRISHNA, GB
[72] CHINTAKUNTLA, CHANDRASEKHARA REDDY, GB
[72] MURUGAN, ANDIAPPAN, IN
[72] REDFEARN, HEATHER MARIE, GB
[72] CHUAQUI, CLAUDIO EDMUNDO, US
[73] ASTRAZENECA AB, SE
[86] (2882018)
[87] (2882018)
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[62] 2,843,109
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[25] EN
[54] **WELL PLACEMENT AND FRACTURE DESIGN OPTIMIZATION SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT**
[54] **SYSTEME, PROCEDE ET PRODUIT-PROGRAMME INFORMATIQUE D'OPTIMISATION DE CONCEPTION DE POSITIONNEMENT ET DE FRACTURATION DE PUITS**
[72] DUSTERHOFT, RONALD GLEN, US
[72] PAULK, MARTY, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2015-03-06
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[54] **ROTARY STEERABLE DRILLING SYSTEM**
[54] **SYSTEME DE FORAGE ROTATIF ORIENTABLE**
[72] SAVAGE, JOHN KEITH, CA
[72] WINSLOW, DANIEL MARTIN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-03-11
[86] 2012-09-14 (PCT/US2012/055327)
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[25] EN
[54] **SOLE STRUCTURES AND ARTICLES OF FOOTWEAR HAVING PLATE MODERATED FLUID-FILLED BLADDERS AND/OR FOAM TYPE IMPACT FORCE ATTENUATION MEMBERS**
[54] **STRUCTURE DE SEMELLE ET ARTICLES CHAUSSANTS AYANT DES ELEMENTS D'ATTENUATION DE FORCE D'IMPACT DU TYPE VESSIES ET/OU MOUSSE REMPLIES DE FLUIDE, MODERES PAR PLAQUE(S)**
[72] BRUCE, ROBERT M., US
[72] HEARD, JOSHUA P., US
[73] NIKE INNOVATE C.V., US
[85] 2015-03-13
[86] 2013-09-10 (PCT/US2013/058986)
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[54] **PROCESS FOR THE PRODUCTION OF HIGH PURITY GLYCOL ESTERS**
[54] **PROCEDE D'OBTENTION D'ESTERS DE GLYCOL A PURETE ELEVEE**
[72] MERENOV, ANDREI S., US
[72] DAUGS, EDWARD D., US
[72] AU-YEUNG, PATRICK HO SING, US
[72] TRUMBLE, JASON L., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2015-03-18
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[25] EN
[54] **CENTRALIZED SYSTEM AND METHOD FOR AUTOMATED CARRIER STATUS UPDATES VIA SMS IN A MULTI-CARRIER ENVIRONMENT**
[54] **SYSTEME CENTRALISE ET PROCEDE ASSOCIE POUR DES MISES A JOUR AUTOMATISEES D'ETAT DE TRANSPORTEUR PAR L'INTERMEDIAIRE DU SERVICE DE MESSAGES COURTS (SMS) DANS UN ENVIRONNEMENT A TRANSPORTEURS MULTIPLES**
[72] PAPA, CHARLES A., III, US
[72] BHATHENA, PERCY R., US
[72] KOCH, DOUGLAS J., US
[72] VIGGILUCCI, MICHAEL, US
[72] SARGEANT, JERMAINE G., US
[73] PENSKE TRUCK LEASING CO., L.P., US
[85] 2015-03-19
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[25] EN
[54] **WALL TRIM FINISHING APPARATUS**
[54] **APPAREIL DE FINITION DE GARNITURE MURALE**
[72] OWENS, MARK VERNON, US
[72] BOHM, CLAYTON SCOTT, US
[73] OWENS, MARK VERNON, US
[73] BOHM, CLAYTON SCOTT, US
[86] (2885976)
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[25] EN
[54] **MAGNETIC FLOWMETER WITH MULTIPLE COILS**
[54] **DEBITMETRE MAGNETIQUE AYANT DES BOBINES MULTIPLES**
[72] ROGERS, STEVEN B., US
[73] MICRO MOTION, INC., US
[85] 2015-03-26
[86] 2013-09-06 (PCT/US2013/058472)
[87] (WO2014/051966)
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[25] EN
[54] **GEARED TURBOFAN ENGINE WITH INCREASED BYPASS RATIO AND COMPRESSOR RATIO ACHIEVED WITH LOW STAGE AND TOTAL AIRFOIL COUNT**
[54] **TURBOREACTEUR A ENGRENAGES A RAPPORT DE DILUTION ET RAPPORT DE COMPRESSEUR ACCRUS OBTENU GRACE A UN FAIBLE NOMBRE D'ETAGES ET DE SURFACES PORTANTES TOTALES**
[72] HASEL, KARL L., US
[73] UNITED TECHNOLOGIES CORPORATION, US
[85] 2015-03-24
[86] 2013-10-04 (PCT/US2013/063341)
[87] (WO2014/107202)
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[51] **Int.Cl. G01F 1/58 (2006.01)**
[25] EN
[54] **MAGNETIC FLOWMETER**
[54] **DEBITMETRE MAGNETIQUE**
[72] SMITH, JOSEPH ALAN, US
[72] ROGERS, STEVEN BRUCE, US
[72] MAYER, MICHAEL JOHN, US
[72] MORALES, NELSON MAURICIO, US
[72] JUNK, BRIAN SCOTT, US
[73] MICRO MOTION, INC., US
[85] 2015-03-27
[86] 2012-12-11 (PCT/US2012/068949)
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[25] EN
[54] **SUSPENSION SYSTEM FOR A FLEXIBLE FRAME VEHICLE**
[54] **SYSTEME DE SUSPENSION POUR UN VEHICULE A CHASSIS FLEXIBLE**
[72] BECKER, TONY, US
[72] LOW, NATHAN, US
[73] AGCO CORPORATION, US
[85] 2015-03-25
[86] 2013-09-27 (PCT/US2013/062121)
[87] (WO2014/052723)
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[54] **THUMB ASSEMBLY**
[54] **MECANISME DE POUCE**
[72] TORAASON, MARK WILLIAM, US
[72] BARE, ERIK, US
[73] CASCADE CORPORATION, US
[86] (2886737)
[87] (2886737)
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[25] EN
[54] **FIXING MEMBER, FIXING DEVICE, AND IMAGE FORMING APPARATUS**
[54] **ELEMENT DE FIXATION, DISPOSITIF DE FIXATION, ET APPAREIL DE FORMATION D'IMAGE**
[72] KONDOH, TSUNEAKI, JP
[72] NATORI, JUNICHIRO, JP
[72] SUGAWARA, TOMOAKI, JP
[73] RICOH COMPANY, LTD., JP
[85] 2015-04-08
[86] 2013-10-11 (PCT/JP2013/078398)
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[30] JP (2012-236551) 2012-10-26
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[25] EN
[54] **SLIDING DOOR AND PIVOTING DOOR FOR DEMOUNTABLE WALL SYSTEM**
[54] **PORTE COULISSANTE ET PORTE PIVOTANTE POUR SYSTEME MURAL DEMONTABLE**
[72] KOPISH, ANDREW J., US
[72] SALZMAN, MICHAEL, US
[72] QUINTAL, NATHAN A., US
[72] LAFLEUR, TIMOTHY J., US
[72] DURAND, JAMES M. (DECEASED), US
[73] KRUEGER INTERNATIONAL, INC., US
[86] (2887403)
[87] (2887403)
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[25] EN
[54] **MULTI-SOURCE RENEWABLE ENERGY STATION**
[54] **STATION D'ENERGIE RENOUVELABLE MULTI-SOURCE**
[72] ILINCA, ADRIAN, CA
[72] CHAUMEL, JEAN-LOUIS, CA
[73] ILINCA, ADRIAN, CA
[73] CHAUMEL, JEAN-LOUIS, CA
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[51] **Int.Cl. G06F 21/32 (2013.01)**
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[54] **METHOD OF IDENTIFICATION**
[54] **PROCEDE D'IDENTIFICATION**
[72] THUILLIER, CEDRIC, FR
[72] BAYON DE NOYER, JEROME, FR
[73] MORPHO, FR
[85] 2015-04-24
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[25] EN
[54] **PROCESS FOR REDUCING THE VISCOSITY OF HEAVY RESIDUAL CRUDE OIL DURING REFINING**
[54] **PROCEDE POUR REDUIRE LA VISCOSITE D'HUILE BRUTE RESIDUELLE LOURDE PENDANT LE RAFFINAGE**
[72] BOLTON, JEFFERY K., US
[72] PHAN, KIMCHI, US
[72] BIGGERSTAFF, PAUL J., US
[72] POLAND, ROSS, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-04-27
[86] 2013-10-31 (PCT/US2013/067813)
[87] (WO2014/071041)
[30] US (61/720,806) 2012-10-31
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[51] **Int.Cl. B65D 1/16 (2006.01)**
[25] EN
[54] **CONTOURED NECK FOR A BEVERAGE CONTAINER**
[54] **GOULOT PROFILE DESTINE A UN RECIPIENT POUR BOISSON**
[72] JACOBER, MARK A., US
[72] CHASTEEN, HOWARD C., US
[73] BALL CORPORATION, US
[85] 2015-04-29
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[25] EN
[54] **COSMETIC COMPOSITIONS AND METHODS FOR INHIBITING MELANIN SYNTHESIS**
[54] **COMPOSITIONS COSMETIQUE ET METHODES PERMETTANT D'INHIBER LA SYNTHESE DE LA MELANINE**
[72] LAUGHLIN, LEO TIMOTHY, II, US
[72] HAKOZAKI, TOMOHIRO, US
[72] TANAKA, SHUHEI, SG
[73] THE PROCTER & GAMBLE COMPANY, US
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[51] **Int.Cl. H01R 13/516 (2006.01) H01R 13/52 (2006.01) H02G 3/14 (2006.01)**
[25] EN
[54] **ELECTRICAL RECEPTACLE ASSEMBLY WITH HOUSING**
[54] **DISPOSITIF DE PRISE ELECTRIQUE DOTE D'UN LOGEMENT**
[72] BYRNE, NORMAN R., US
[72] YOUNG, PATRICK E., US
[72] PETERSEN, THOMAS A., US
[72] PATE, RANDELL E., US
[73] BYRNE, NORMAN R., US
[86] (2890940)
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[51] **Int.Cl. B25C 1/08 (2006.01)**
[25] EN
[54] **GAS FASTENING TOOL WITH RE-INJECTED AIR**
[54] **OUTIL DE FIXATION A GAZ AVEC AIR REINJECTE**
[72] RICORDI, CHRISTIAN, FR
[73] ILLINOIS TOOL WORKS INC., US
[85] 2015-05-14
[86] 2013-12-26 (PCT/US2013/077833)
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[30] FR (1350361) 2013-01-16

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[25] EN
[54] **TRACTION CLEAT AND RECEPTACLE**
[54] **CRAMPON DE TRACTION ET RECEPTACLE**
[72] BURT, JOHN ROBERT, US
[72] SHUTTLEWORTH, LEE PAUL, GB
[73] PRIDE MANUFACTURING COMPANY, LLC, US
[85] 2015-05-15
[86] 2013-12-18 (PCT/US2013/076010)
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[30] US (61/738,500) 2012-12-18

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[25] EN
[54] **FLOCCULANTS AND METHODS FOR RECOVERING BITUMEN FROM OIL SANDS**
[54] **FLOCULANTS ET METHODES DE RECUPERATION DE BITUME DES SABLES BITUMINEUX**
[72] KUZNETSOV, OLEKSANDR V., US
[72] KHABASHESKU, VALERY N., US
[72] MAZYAR, OLEG A., US
[72] AGRAWAL, DEVESH KUMAR, US
[73] BAKER HUGHES INCORPORATED, US
[86] (2892719)
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[25] EN
[54] **A TRACK ASSEMBLY FOR MOBILE SHELVING**
[54] **ENSEMBLE DE RAIL POUR RAYONNAGE MOBILE**
[72] PARKER, BRIAN MAURICE, AU
[72] CAMPBELL, GEORGE GILES, AU
[73] GLIDESTORE FREETRACK PTY LTD, AU
[86] (2893508)
[87] (2893508)
[22] 2008-08-18
[62] 2,696,755
[30] AU (2007904484) 2007-08-17

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[51] **Int.Cl. B60N 2/14 (2006.01)**
[25] EN
[54] **ROTATABLE VEHICLE SEAT FRAME ASSEMBLY**
[54] **DISPOSITIF DE CADRE DE SIEGE DE VEHICULE PIVOTANT**
[72] YIN, QING-KUN, TW
[72] CHANG, CHIN-CHEN, TW
[73] COLIGEN CORP., TW
[86] (2893968)
[87] (2893968)
[22] 2015-06-10
[30] CN (201410288699.6) 2014-06-26

[11] 2,894,348
[13] C
[51] **Int.Cl. A61M 29/00 (2006.01) A61F 5/08 (2006.01) A61F 5/56 (2006.01) A61M 15/08 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **NASAL CONGESTION, OBSTRUCTION RELIEF, AND DRUG DELIVERY**
[54] **SOULAGEMENT DE LA CONGESTION ET DE L'OBSTRUCTION NASALES ET ADMINISTRATION DE MEDICAMENT**
[72] SANTIN, ERNEST, US
[72] MACDONALD, LOUISE S., US
[72] MACDONALD, SCOTT D., US
[73] SANOSTEC CORPORATION, US
[86] (2894348)
[87] (2894348)
[22] 2006-11-28
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[25] EN
[54] **COOLING TOWER WITH INDIRECT HEAT EXCHANGER**
[54] **TOUR DE REFROIDISSEMENT A ECHANGEUR DE CHALEUR INDIRECT**
[72] CARTER, THOMAS, US
[72] LIU, ZAN, US
[72] AARON, DAVID ANDREW, US
[72] HOLLANDER, PHILIP, US
[73] BALTIMORE AIRCOIL COMPANY, INC., US
[85] 2015-06-10
[86] 2013-12-16 (PCT/US2013/075405)
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[30] US (13/716,772) 2012-12-17

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[13] C
[51] **Int.Cl. B62D 55/08 (2006.01) B62D 55/088 (2006.01) B62D 55/14 (2006.01) B62D 55/15 (2006.01)**
[25] EN
[54] **RUBBER TRACK UNIT FOR VEHICLE**
[54] **UNITE DE CHENILLE EN CAOUTCHOUC POUR VEHICULE**
[72] PIENS, PATRICK, BE
[72] VANDENDRIESSCHE, JEAN-PIERRE, BE
[72] VERHEYE, CARLOS J. A., BE
[73] CNH INDUSTRIAL BELGIUM NV, BE
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[54] **OSCILLATING CONVEYOR**
[54] **TRANSPORTEUR VIBRANT**
[72] BOTT, KLAUS, DE
[72] MESAN, IZUDIN, DE
[72] MOJRZISCH, SEBASTIAN, DE
[72] TWIEFEL, JENS, DE
[72] WALLASCHECK, JORG, DE
[73] AFAG HOLDING AG, CH
[86] (2896044)
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[30] DE (102014109314.3) 2014-07-03

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[25] EN
[54] **PRESS COMPONENT AND METHOD AND DEVICE FOR MANUFACTURING SAME**
[54] **COMPOSANT DE PRESSE ET PROCEDE ET DISPOSITIF POUR SA FABRICATION**
[72] TANAKA, YASUHARU, JP
[72] ASO, TOSHIMITSU, JP
[72] MIYAGI, TAKASHI, JP
[72] OGAWA, MISAO, JP
[72] KAWANO, KAZUYUKI, JP
[72] OOOKA, KAZUNORI, JP
[72] YAMAMOTO, SHINOBU, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[25] EN
[54] **COVERT COATING FOR AUTHENTICATION OF MATERIALS**
[54] **REVETEMENT DISSIMULE POUR L'AUTHENTIFICATION DE DOCUMENTS**
[72] LAWANDY, NABIL M., US
[73] SPECTRA SYSTEMS CORPORATION, US
[85] 2015-06-29
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[54] **A FISH PROCESSING DEVICE**
[54] **DISPOSITIF DE TRAITEMENT DU POISSON**
[72] GOODRICK, GEOFFREY BRUCE, AU
[72] GOODRICK, LIAM ALEXANDER, AU
[73] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[85] 2015-07-09
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[25] EN
[54] **CONTAINMENT SYSTEM**
[54] **SYSTEME DE CONFINEMENT**
[72] HINDBO, MONTE W., CA
[73] THINKTANK PRODUCTS INC., CA
[86] (2897786)
[87] (2897786)
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[25] EN
[54] **RIG MOVEMENT AND ROTATION ASSEMBLY**
[54] **ENSEMBLE DE MOUVEMENT ET ROTATION D'UN APPAREIL DE FORAGE**
[72] VOGT, DEWAYNE, US
[73] WOOLSLAYER COMPANIES, INC., US
[86] (2898556)
[87] (2898556)
[22] 2015-07-24
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[54] **MOVING APPARATUS FOR AN INJECTION MOLDING MACHINE**
[54] **APPAREIL DE DEPLACEMENT DE MACHINE DE MOULAGE PAR INJECTION**
[72] HA, GERRY, CA
[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2015-08-12
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[54] **FAULT DIAGNOSIS METHOD FOR FREE-WHEELING DIODE OF DUAL-SWITCH POWER CONVERTER OF SWITCHED RELUCTANCE MOTOR**
[54] **PROCEDE DE DIAGNOSTIC D'UN DEFAUT D'UNE DIODE LIBRE D'UN CONVERTISSEUR DE PUISSANCE A DOUBLE DECOUPAGE D'UN MOTEUR A RELUCTANCE VARIABLE**
[72] CHEN, HAO, CN
[72] WANG, XING, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2015-08-18
[86] 2013-04-19 (PCT/CN2013/074449)
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[54] **ENDLESS BELT CONVEYOR WITHIN A TUBULAR HOUSING**
[54] **CONVOYEUR A COURROIE SANS FIN A L'INTERIEUR D'UN LOGEMENT TUBULAIRE**
[72] WOOD, JAMES E., US
[72] WUEBKER, JOSEPH R., US
[73] J. & M. MANUFACTURING CO., INC., US
[86] (2903791)
[87] (2903791)
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[25] EN
[54] **IMAGE QUALITY ASSESSMENT FOR SIMULATION ACCURACY AND PERFORMANCE**
[54] **EVALUATION DE QUALITE D'IMAGE POUR UNE PRECISION ET DES PERFORMANCES DE SIMULATION**
[72] FONTE, TIMOTHY A., US
[72] GRADY, LEO J., US
[72] WU, ZHONGLE, US
[72] SCHAAP, MICHIEL, US
[72] HUNLEY, STANLEY C., US
[72] SENGUPTA, SOUMA, US
[73] HEARTFLOW, INC., US
[85] 2015-09-09
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[54] **OPTICAL ELEMENT DEVICE AND METHOD OF FABRICATION THEREOF**
[54] **DISPOSITIF A ELEMENT OPTIQUE ET SON PROCEDE DE FABRICATION**
[72] PELLETIER, MICHAEL T., US
[72] JONES, CHRISTOPHER MICHAEL, US
[72] ATKINSON, ROBERT S., US
[72] ZHANG, WEI, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **METHODS AND APPARATUSES FOR LOADING AND UNLOADING BY PALLET TRUCK**
[54] **PROCEDES ET APPAREILS DE CHARGEMENT ET DECHARGEMENT DE TRANSPALETTES**
[72] LANCASTER, PATRICK R., III, US
[72] MOORE, PHILIP R., US
[72] JOHNSON, RICHARD L., US
[73] LANTECH.COM, LLC, US
[86] (2908722)
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[54] **APPARATUS AND METHOD FOR SPLITTING WOOD INTO KINDLING**
[54] **APPAREIL ET PROCEDE DE FENDAGE DE BOIS EN PETIT BOIS**
[72] CLARKE, DANA S., US
[73] CLARKE, DANA S., US
[86] (2908818)
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[22] 2010-07-21
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[54] **LOW-OXYGEN CLEAN STEEL AND LOW-OXYGEN CLEAN STEEL PRODUCT**
[54] **ACIER PURIFIE A FAIBLE TENEUR EN OXYGENE ET PRODUIT EN ACIER PURIFIE A FAIBLE TENEUR EN OXYGENE**
[72] AONO, MICHIMASA, JP
[72] MIYAMOTO, KENICHIRO, JP
[72] SUZUKI, MASANOBU, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[86] 2014-04-24 (PCT/JP2014/061551)
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[51] **Int.Cl. E21B 43/243 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **LAYERED IGNITION DEVICE, INJECTION PRODUCTION SYSTEM AND INJECTION PRODUCTION METHOD**
[54] **DISPOSITIF D'ALLUMAGE ETAGE, MECANISME DE PRODUCTION D'INJECTION ET METHODE DE PRODUCTION D'INJECTION**
[72] ZHANG, HONGJUN, CN
[72] YU, XIAOCONG, CN
[72] YANG, XIANZHI, CN
[72] ZHAO, SHUJIE, CN
[72] LU, LISI, CN
[72] LIU, JIN, CN
[72] QU, SHAOGANG, CN
[72] YANG, BAOCHUN, CN
[72] LONG, HUA, CN
[73] PETROCHINA COMPANY LIMITED, CN
[86] (2909385)
[87] (2909385)
[22] 2015-10-19
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[51] **Int.Cl. B25B 15/04 (2006.01) B25B 13/46 (2006.01) B25B 21/00 (2006.01)**
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[54] **RATCHET MECHANISM**
[54] **MECANISME DE ROCHET**
[72] DOHOGNE, DENNIS A., US
[73] IL7!, LLC, US
[85] 2015-10-13
[86] 2014-04-04 (PCT/US2014/032913)
[87] (WO2014/172117)
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[54] **FUEL CELL END PLATE, METHOD OF MANUFACTURING SAME, AND FUEL CELL**
[54] **PLAQUE D'EXTREMITE DE PILE A COMBUSTIBLE, METHODE DE FABRICATION DE LADITE PLAQUE ET PILE A COMBUSTIBLE**
[72] TAKEYAMA, MAKOTO, JP
[72] TAKAYAMA, TATEKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909877)
[87] (2909877)
[22] 2015-10-22
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[51] **Int.Cl. H01M 8/2475 (2016.01) H01M 8/248 (2016.01)**
[25] EN
[54] **FUEL CELL MODULE**
[54] **MODULE DE PILE A COMBUSTIBLE**
[72] TAKEYAMA, MAKOTO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909882)
[87] (2909882)
[22] 2015-10-22
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[51] **Int.Cl. B65G 27/00 (2006.01) F26B 17/02 (2006.01) F26B 17/04 (2006.01)**
[25] EN
[54] **FLUID REMOVAL SYSTEM**
[54] **SYSTEME DE RETRAIT DE FLUIDE**
[72] MACDONALD, JEFFERY RAYMOND, CA
[72] MCINTOSH, MORGAN HORACE JOHN, CA
[72] KELLEY, STEVEN RANDALL, CA
[72] MCARTHUR, REX STACEY, US
[73] CMP CAN INVEST CO. LTD., CA
[86] (2910181)
[87] (2910181)
[22] 2015-10-26
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[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/44 (2006.01) F26B 21/10 (2006.01)**
[25] EN
[54] **REDUCED FOSSIL FUEL IN AN OXIDIZER DOWNSTREAM OF A BIOMASS FURNACE**
[54] **QUANTITE DE COMBUSTIBLE FOSSILE REDUITE DANS UN REACTEUR D'OXYDATION EN AVAL D'UN FOUR A BIOMASSE**
[72] CASH, JAMES T., US
[72] RUDOLPH, JEFFREY C., US
[73] MEGTEC SYSTEMS, INC., US
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[25] EN
[54] **APPARATUS FOR THE CONTINUOUS HOT-DIP COATING OF METAL STRIP**
[54] **DISPOSITIF DE REVETEMENT PAR IMMERSION A CHAUD EN CONTINU D'UNE BANDE METALLIQUE**
[72] SCHAFFRATH, NORBERT, DE
[72] MULLER, THORSTEN, DE
[72] MACHEREY, FRIEDHELM, DE
[72] NOTHACKER, GERNOT, DE
[72] RUBENSTRUNK, TIM, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE
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[25] EN
[54] **SYSTEM FOR DETERMINING A RELATIVE LOCATION OF A PLURALITY OF ITEMS UPON A PLURALITY OF PLATFORMS**
[54] **SYSTEME DE DETERMINATION D'EMPLACEMENT RELATIF D'ARTICLES MULTIPLES SUR PLUSIEURS PLATE-FORMES**
[72] KRENER, OLIVIER, FR
[72] FEINBIER, LOIC J., DE
[72] SCHITTKO, LARS, DE
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2916879)
[87] (2916879)
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[25] EN
[54] **VENTILATION SYSTEM FOR VENTILATING PARTICULATE MATERIALS DISPOSED IN A STORAGE BIN**
[54] **SYSTEME DE VENTILATION POUR VENTILER DES MATIERES PARTICULAIRES DISPOSEES DANS UNE TREMIE**
[72] SCHREINER, GARY, CA
[73] GATCO MANUFACTURING INC., CA
[86] (2918103)
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[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING EVENT DATA**
[54] **SYSTEMES ET PROCEDES D'ANALYSE DE DONNEES D'EVENEMENT**
[72] DEANGELIS, DOUGLAS J., US
[72] SIGEL, KIRK M., US
[72] EVANSEN, EDWARD G., US
[73] ISOLYNX, LLC, US
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[25] EN
[54] **CENTRAL VACUUM CLEANING SYSTEM CONTROL SUBSYSTEMS**
[54] **SOUS-SYSTEME DE COMMANDE D'UN SYSTEME CENTRAL DE NETTOYAGE PAR ASPIRATION**
[72] CUNNINGHAM, J. VERN, CA
[73] CUBE INVESTMENTS LIMITED, CA
[86] (2919179)
[87] (2919179)
[22] 2005-05-11
[62] 2,786,726
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[25] EN
[54] **INTELLIGENT WIRELESS DISPATCH SYSTEMS**
[54] **SYSTEMES D'ENVOI SANS FIL INTELLIGENTS**
[72] ROBERTS, RALPH L., SR., US
[72] DECK, CHRIS, US
[72] VANCE, DAVID MARK, US
[72] EARLEY, BRIAN, US
[72] CRANDALL, STEVE, US
[73] R&L CARRIERS, INC., US
[86] (2919246)
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[54] **ACCUMULATION CONTROL**
[54] **GESTION D'ACCUMULATION**
[72] NEISER, RAYMOND R., US
[72] JOHNSON, JASON A., US
[72] RESNICK, BRIAN J., US
[72] ANDERSON, CHRISTOPHER S., US
[72] KLUEBER, KEVIN L., US
[72] TURNER, JEFFREY A., US
[72] WICKS, MATTHEW R., US
[73] INTELLIGRATED HEADQUARTERS, LLC, US
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[51] **Int.Cl. B64D 37/14 (2006.01)**
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[54] **FUEL SUPPLY APPARATUS FOR AIRCRAFT ENGINE**
[54] **APPAREIL DE DISTRIBUTION DE CARBURANT POUR MOTEUR D'AERONEF**
[72] MORIOKA, NORIKO, JP
[72] OYORI, HITOSHI, JP
[73] IHI CORPORATION, JP
[85] 2016-02-22
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[54] **THRUST BEARING**
[54] **PALIER DE BUTEE**
[72] OMORI, NAOMICHI, JP
[73] IHI CORPORATION, JP
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[51] **Int.Cl. A61L 17/10 (2006.01) A61L 17/12 (2006.01)**
[25] EN
[54] **VASCULAR CLOSURE DEVICE**
[54] **DISPOSITIF DE FERMETURE VASCULAIRE**
[72] DAVE, VIPUL BHUPENDRA, US
[72] PALERMO, THOMAS, US
[72] CHIN-CHEN, CHAO, US
[73] CARDINAL HEALTH SWITZERLAND 515 GMBH, CH
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[25] EN
[54] **MALEATE SALTS OF (E)-N-{4-[3-CHLORO-4-(2-PYRIDINYLMETHOXY)ANILINO]-3-CYANO-7-ETHOXY-6-QUINOLINYL}-4-(DIMETHYLAMINO)-2-BUTENAMIDE AND CRYSTALLINE FORMS THEREOF**
[54] **SELS MALEATES DE (E)-N-{4-[3-CHLORO-4-(2-PYRIDINYLMETHOXY)ANILINO]-3-CYANO-7-ETHOXY-6-QUINOLINYL}-4-(DIMETHYLAMINO)-2-BUTENAMIDE ET LEURS FORMES CRISTALLINES**
[72] LU, QINGHONG, US
[72] KU, MANNCHING SHERRY, US
[72] CHEW, WARREN, CA
[72] CHEAL, GLORIA K., CA
[72] HADFIELD, ANTHONY F., US
[72] MIRMEHRABI, MAHMOUD, CA
[73] WYETH LLC, US
[86] (2928071)
[87] (2928071)
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[25] EN
[54] **ALUMINUM ALLOY COMPOSITION AND METHOD**
[54] **COMPOSITION D'ALLIAGE D'ALUMINIUM ET PROCEDE**
[72] CHEN, XIAO-GUANG, CA
[72] SHAKIBA, MOHAMMAD, CA
[72] PARSON, NICHOLAS C., CA
[73] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
[85] 2016-09-09
[86] 2015-03-31 (PCT/CA2015/050258)
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[30] US (61/972,948) 2014-03-31

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[72] CARUANA, LORENZO, IT
[72] TESSON, NICOLAS, ES
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[54] **BLOC DE CONSTRUCTION LUMINEUX A TRANSMISSION DE LUMIERE ELEVEE COMPORTANT UNE STRUCTURE DE POSITIONNEMENT DESTINE A UN ELEMENT DE RACCORD ELECTRIQUE EN FORME DE FEUILLE ET METHODED'ASSEMBLAGE ASSOCIEE**
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[73] LONGMEN GETMORE POLYURETHANE CO. LTD., CN
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[72] PERRY, ARIE, IL
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[54] **OEUF DE POULE RENFERMANT DE L'ERGOTHINEINE, ALIMENT ET METHODE D'ALIMENTATION ET D'ELEVAGE DE POULE PONDEUSE QUI POND UN OEUF DE POULE RENFERMANT DE L'ERGOTHIONEINE**
[72] ABE, KAZUNARI, JP
[72] OHSHIMA, TOSHIAKI, JP
[72] FUKUI, RIKUO, JP
[73] ORIGIN BIOTECHNOLOGY KABUSHIKIKAISHA, JP
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[54] **PROCEDE ET DISPOSITIF DE TORSION DE CONDUCTEURS BARRES, DESTINE EN PARTICULIER A DES ENROULEMENTS BARRES DE MACHINES ELECTRIQUES**
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[54] **MECANISME FONCTIONNEL INTEGRANT LE CORDON D'UN DISPOSITIF D'ECRAN**
[72] DIAMOND, CORMAC, GB
[73] FOURDS LIMITED, GB
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[54] **METHODE DE CROISSANCE ET DE RECOLTE ET TRAITEMENT DE CHANVRE DE SORTE QUE LA FRACTION CLASSEE COMME GRAINE AIT LA TENEUR THERAPEUTIQUE DE CBD ET DE TERPENES CORRESPONDANT A LA PLANTE ENTIERE ET RESTE CLASSEE COMME CHANVRE INDUSTRIEL**
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[54] **APPAREIL DESTINE A UN UTILISATEUR EN LIEN AVEC UNE SOURCE DE FEU**
[72] WAGNER-STAFFORD, JOHN, CA
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[72] KRAMBLE, DOUGLAS JAMES, CA
[72] REID, ALAN, CA
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[54] **METHODES ET APPAREIL DESTINES A L'ANALYSE DE LA PENETRATION D'ENERGIE ELECTROMAGNETIQUE**
[72] LAWSON, STEVEN L., US
[72] ANDERSON, BARRY E., US
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[54] **SYSTEME DE JARDINAGE PIVOTANT MODULAIRE EMPILABLE**
[72] GALLANT, JIM, CA
[71] ROTO-GRO INC., CA
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[54] **METHODE D'AMELIORATION DE LA FONCTIONNALITE DE NAGE SUR PLACE DANS UN SYSTEME DE MODULE DE BAIN ET DISPOSITIF DE COMMANDE DE MISE EN PLACE DE LADITE METHODE**
[72] LAFLAMME, BENOIT, CA
[72] BROCHU, CHRISTIAN, CA
[72] MATTAR, BRIGIDE, CA
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[54] **PILOTE COMPORTANT UNE STRUCTURE DE PIXEL A PLUSIEURS COULEURS**
[72] CHAJI, REZA, CA
[71] IGNIS INNOVATION INC., CA
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[54] **DETECTEUR D'IMPACT DE PISTON**
[72] TOWNSEND, MURRAY RAY, CA
[71] FOURTH DIMENSION DESIGNS LTD., CA
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[54] **PISTON DE FOND DE TROU DOTE DE COUSSINETS ORIENTES PAR UN RESSORT**
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[54] **METHODE DE PURIFICATION DE TERIPARATIDE**
[72] REICH, CHRISTOPH, DE
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[54] **MODULE DE RECYCLAGE DE L'EAU ET DE RECUPERATION D'ENERGIE**
[72] BRUNET, MARC M., CA
[72] GULIS, JEFFERY D., CA
[72] ZANETTI, PIETRO, CA
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[54] **SYSTEME ET METHODE DE GESTION D'INTERRUPTIONS DE SERVICE DE TRANSPORT PUBLIC**
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[72] SUM, DICKY, CA
[72] PETTIGREW, CHRISTOPHER E., CA
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[54] **SAC A PROVISIONS PARALLELEPIPEDIQUE RECTANGLE REPLIABLE COMPORTANT DES MOYENS DE MAINTIEN DANS SON ETAT OUVERT**
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[54] **AMENAGEMENT DE COUVERCLE DESTINE A UN DISTRIBUTEUR DE LIQUIDE**
[72] OPHARDT, HEINER, CH
[72] GARRY, JOHN, IE
[72] GRADY, PADRAIC, IE
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[54] **UNE METHODE INFORMATIQUE DESTINEE A REDUIRE LA DIAPHONIE DANS UN AUDIOMETRE INFORMATIQUE**
[72] BROMWICH, MATTHEW, CA
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[72] JOURDAN, GUY-VINCENT, CA
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[54] **DISPOSITIF DE LANCEMENT DE RESSORT DE SANGLE DE CARGAISON**
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[72] ELLIS, FRED, CA
[71] GREEN AIR SYSTEMS LTD., CA
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[54] **SYSTEME ELECTRONIQUE DE SURVEILLANCE DE LA CONFORMITE DE LA MEDICATION ET METHODES ASSOCIEES**
[72] EULIANO, NEIL R., II, US
[72] MYERS, BRENT A., US
[72] PRINCIPE, JOSE C., US
[72] MEKA, VENKATA V., US
[72] FLORES, GLEN, US
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[72] BUFFKIN, ERIC, US
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[54] **INNOVATION POUR REDUIRE LE SURCHAUFFEMENT ET AVOIR UNE MONTEE PLUS RAPIDE EN TEMPERATURE DES PNEUS**
[72] TREMBLAY, VINCENT, CA
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[54] **DISPOSITIF EXPLOITANT L'ENERGIE**
[72] KAMICHERIL, ALEXANDER J., CA
[72] CHOW, TING PONG, CA
[72] MARZARA, JASWINDER SINGH, CA
[72] LIU, XINYA, CA
[72] GARNACE, SAMUEL G., JR., CA
[71] KAMICHERIL, ALEXANDER J., CA
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[54] **APPAREIL DE COLLECTE ET FILTRAGE DE SOUS-PRODUIT D'ARC**
[72] GASPARETTO, MARIO, CA
[71] G.M.G. ENGINEERING SERVICES LTD., CA
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[72] ZETTELL, ADRIAN WILLIAM, US
[71] THE DRAGON GROUP, LLC, US
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[54] **SYSTEM AND METHOD FOR VERIFYING AND REDIRECTING MOBILE APPLICATIONS**
[54] **SYSTEME ET METHODE DE VERIFICATION ET REORIENTATION DES APPLICATIONS MOBILES**
[72] BRICKEL, RICHARD, US
[71] ASSETWORKS LLC, US
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[54] **SAMPLE DISPENSER WITH PRIMING CRADLE**
[54] **DISTRIBUTEUR D'ECHANTILLON DOTE D'UN BERCEAU D'AMORCAGE**
[72] CVETAN, CHRISTINA DIANE, CA
[72] WILDER, ANDREW ZACHERY, US
[71] UNILEVER PLC, GB
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[54] **DOWNHOLE REMOVAL OF H2S AND CO2**
[54] **EXTRACTION DE H2S ET DE CO2 EN FOND DE TROU**
[72] PARACO MENDEZ, MIGUEL ANGEL, VE
[72] ALBORNOZ SOTO, OSWALDO JOSE, VE
[72] ESCALONA ARNAL, EMIR EUSTOQUIO, VE
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[72] CARRASQUERO RAMIREZ, MIGDALIA JOSEFINA, VE
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[54] **OREILLER POSITIONNEL**
[72] VARGAS, KEVIN THOMAS, US
[71] GREENDALE PARTNERS, INC., US
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[25] EN
[54] **CONTROL TOWER PRODUCTION METHOD FOR CROP FRACTIONS AND DERIVATIVES**
[54] **METHODE DE PRODUCTION DE TOUR DE CONTROLE DESTINEE A DES FRACTIONS DE RECOLTE ET DERIVES**
[72] JOHNSON, MORRIS, CA
[71] JOHNSON, MORRIS, CA
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[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/10 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREDICTIVE RELIABILITY MINING**
[54] **SYSTEMES ET METHODES DE PREDICTION DE LA FIABILITE DE L'EXTRACTION MINIERE**
[72] SINGH, KARAMJIT, IN
[72] SHROFF, GAUTAM, IN
[72] AGARWAL, PUNEET, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2016-02-29
[41] 2017-04-15
[30] IN (3922/MUM/2015) 2015-10-15

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[25] EN
[54] **ROBOTIC WELDING SYSTEM**
[54] **SYSTEME DE SOUDAGE ROBOTIQUE**
[72] ABDOLLAHI, ABDOLREZA, CA
[72] BATENI, HASSAN, CA
[71] NOVARC TECHNOLOGIES INC., CA
[22] 2016-04-29
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[51] **Int.Cl. B65D 55/02 (2006.01)**
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[54] **CONTAINER THAT PREVENTS FROM AN ILLEGAL OPERATION AND CAN BE EASILY IDENTIFIED AFTER BEING ILLEGALLY OPERATED**
[54] **CONTENANT QUI EMPECHE UNE UTILISATION ILLEGALE ET QUI PEUT ETRE FACILEMENT IDENTIFIE APRES AVOIR ETE ILLEGALEMENT UTILISE**
[72] HSIEH, ALBERT, TW
[71] VIGOURPLASTIC CO., LTD., TW
[22] 2016-05-19
[41] 2017-04-15
[30] TW (104133819) 2015-10-15

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[13] A1
[51] **Int.Cl. B65D 47/36 (2006.01) B65D 81/32 (2006.01)**
[25] EN
[54] **LIQUID DISPENSING CAP MECHANISM FOR FLUID CONTAINTER AND METHOD**
[54] **MECANISME DE BOUCHON DE DISTRIBUTION DE LIQUIDE DESTINE A UN CONTENANT DE LIQUIDE ET METHODE**
[72] SMITH, KYLE, CA
[71] VAQUA INC., CA
[22] 2016-06-06
[41] 2017-04-13
[30] US (62/240,830) 2015-10-13

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[13] A1
[51] **Int.Cl. B64F 5/00 (2017.01) B64D 11/06 (2006.01)**
[25] EN
[54] **LAYOUT OF PASSENGER ARRANGEMENTS IMPLEMENTATION USING PREVIOUSLY DESIGNED CONFIGURATIONS**
[54] **PRESENTATION DE LA MISE EN PLACE D'AMENAGEMENTS DE PASSAGER AU MOYEN DE CONFIGURATIONS CONCUES ANTERIEUREMENT**
[72] WHANG, CHONGMAN, US
[72] ANDERSON, ANTHONY EARL, US
[71] THE BOEING COMPANY, US
[22] 2016-07-15
[41] 2017-04-09
[30] US (14/879,372) 2015-10-09

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[51] **Int.Cl. B64D 37/32 (2006.01) B64D 37/06 (2006.01) F16B 39/02 (2006.01) F16B 41/00 (2006.01)**
[25] EN
[54] **SEALING SYSTEM FOR FASTENERS**
[54] **SYSTEME D'ETANCHEISATION DESTINE A DES FIXATIONS**
[72] SONG, WEIDONG, US
[72] PERRON, DANIEL JOSEPH, US
[71] THE BOEING COMPANY, US
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[41] 2017-04-14
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[51] **Int.Cl. A47L 15/46 (2006.01) A47L 15/14 (2006.01)**
[25] EN
[54] **PRE-SOAK OPTION FOR DISHWASHERS**
[54] **OPTION DE PRE-TREMPAGE DESTINEE AUX LAVE-VAISSELLE**
[72] CARR, CASEY, US
[72] HOLMES, MIKE, US
[72] RICH, MELVIN, US
[71] BSH HOME APPLIANCES CORPORATION, US
[71] BSH HAUSGERATE GMBH, DE
[22] 2016-07-21
[41] 2017-04-09
[30] US (14/879,115) 2015-10-09

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[13] A1
[51] **Int.Cl. B60K 28/06 (2006.01)**
[25] EN
[54] **DIAGNOSTIC PORT INTOXICATION VEHICLE IMMOBILIZATION**
[54] **IMMOBILISATION D'UN VEHICULE AU MOYEN D'UN ORIFICE DE DIAGNOSTIC D'INTOXICATION**
[72] DEVRIES, DOUGLAS EDWARD, US
[72] KELLER, KERRY L., US
[72] MCGRATH, TIMOTHY J., US
[71] CONSUMER SAFETY TECHNOLOGY, LLC, US
[22] 2016-08-08
[41] 2017-04-13
[30] US (15/223,894) 2016-07-29
[30] US (62/240,978) 2015-10-13
[30] US (62/266,279) 2015-12-11
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[51] **Int.Cl. B60K 28/06 (2006.01) B60R 25/102 (2013.01)**
[25] EN
[54] **NETWORKED INTOXICATION VEHICLE IMMOBILIZATION**
[54] **IMMOBILISATION D'UN VEHICULE POUR INTOXICATION OBTENUE PAR RESEAU**
[72] DEVRIES, DOUGLAS EDWARD, US
[72] MCGRATH, TIMOTHY J., US
[71] CONSUMER SAFETY TECHNOLOGY, LLC, US
[22] 2016-08-08
[41] 2017-04-13
[30] US (15/223,921) 2016-07-29
[30] US (62/240,978) 2015-10-13
[30] US (62/266,279) 2015-12-11
[30] US (62/306,177) 2016-03-10

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[51] **Int.Cl. H01H 71/12 (2006.01) H01H 75/00 (2006.01)**
[25] EN
[54] **INTERRUPTION APPARATUS EMPLOYING ACTUATOR HAVING MOVABLE ENGAGEMENT ELEMENT**
[54] **APPAREIL D'INTERRUPTION EMPLOYANT UN ACTIONNEUR AYANT UN ELEMENT D'ENGAGEMENT MOBILE**
[72] HAUGEN, JAY NICHOLSON, US
[72] MALONEY, JAMES GERARD, US
[71] EATON CORPORATION, US
[22] 2016-08-09
[41] 2017-04-13
[30] US (14/881,223) 2015-10-13

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[13] A1
[51] **Int.Cl. E05B 1/00 (2006.01) E05B 15/00 (2006.01)**
[25] EN
[54] **RETURN CARTRIDGE FOR DOOR HANDLES**
[54] **CARTOUCHE DE RETOUR POUR POIGNEES DE PORTE**
[72] MITCHELL, MIKE, US
[71] ENDURA PRODUCTS, INC., US
[22] 2016-08-09
[41] 2017-04-09
[30] US (14/879,379) 2015-10-09

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[25] EN
[54] **CORED WIRE, METHOD AND DEVICE FOR THE PRODUCTION**
[54] **FIL A AME, METHODE ET DISPOSITIF DE PRODUCTION**
[72] KENDALL, MARTIN, BE
[72] WHITAKER, ROBERT CHARLES, GB
[72] STRAETEMANS, MARC, BE
[72] CHILDS, JACK, GB
[72] FEYTONGS, DOMINIQUE, BE
[71] HERAEUS ELECTRO-NITE INTERNATIONAL N.V., BE
[22] 2016-08-22
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[51] **Int.Cl. H01Q 3/08 (2006.01) H01Q 21/06 (2006.01)**
[25] EN
[54] **PHASED ARRAY ANTENNA SYSTEM INCLUDING A MODULAR CONTROL AND MONITORING ARCHITECTURE**
[54] **SYSTEME D'ANTENNE RESEAU PHASEE COMPORTANT UNE COMMANDE MODULAIRE ET ARCHITECTURE DE SURVEILLANCE**
[72] FORD, ROBERT G., US
[72] BROGDEN, FRANK R., US
[72] CLEMENT, JAY W., US
[72] BONEBRIGHT, RODNEY K., US
[71] THE BOEING COMPANY, US
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[51] **Int.Cl. C09D 5/10 (2006.01) C09D 183/04 (2006.01)**
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[54] **ANTICORROSIVE COATING COMPOSITION**
[54] **COMPOSITIONS DE REVETEMENT ANTICORROSIF**
[72] ROTH, MARCEL, DE
[72] KURZE, VANESSA, DE
[72] LAMMER, MARCUS, DE
[72] BOHM, SANDRA, DE
[72] GROSSMANN, VERENA, DE
[72] REUSMANN, GERHARD, DE
[71] EWALD DORKEN AG, DE
[22] 2016-08-23
[41] 2017-04-09
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[51] **Int.Cl. G01K 11/32 (2006.01)**
[25] EN
[54] **CONSUMABLE OPTICAL FIBER FOR MEASURING A TEMPERATURE OF A MOLTEN STEEL BATH**
[54] **FIBRE OPTIQUE CONSOMMABLE DESTINEE A MESURER UNE TEMPERATURE D'UN BAIN D'ACIER FONDU**
[72] KENDALL, MARTIN, BE
[72] WHITAKER, ROBERT CHARLES, GB
[72] STRAETEMANS, MARC, BE
[72] CHILDS, JACK, GB
[72] FEYTONGS, DOMINIQUE, GB
[71] HERAEUS ELECTRO-NITE INTERNATIONAL N.V., BE
[22] 2016-08-29
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[51] **Int.Cl. B05C 17/01 (2006.01) B05C 21/00 (2006.01)**
[25] EN
[54] **PASTE APPLICATION DEVICE FOR MIXING A PASTE**
[54] **DISPOSITIF D'APPLICATION DE PATE SERVANT A MELANGER UNE PATE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2016-09-02
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[30] DE (10 2015 117 270.4) 2015-10-09

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[51] **Int.Cl. B60K 1/04 (2006.01) B60K 15/067 (2006.01) B60L 11/18 (2006.01)**
[25] EN
[54] **FUEL CELL VEHICLE**
[54] **VEHICULE A PILE A COMBUSTIBLE**
[72] OHASHI, YASUHIKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2016-09-08
[41] 2017-04-13
[30] JP (2015-202195) 2015-10-13

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[13] A1
[51] **Int.Cl. B01D 59/50 (2006.01)**
[25] EN
[54] **ADVANCED TRITIUM SYSTEM AND ADVANCED PERMEATION SYSTEM FOR SEPARATION OF TRITIUM FROM RADIOACTIVE WASTES**
[54] **RESEAU DE TRITIUM AVANCE ET SYSTEME DE PERMEATION AVANCEE DESTINES A LA SEPARATION DU TRITIUM DES DECHETS RADIOACTIFS**
[72] DENTON, MARK S., US
[72] BONHOMME, GAETAN, US
[72] BRATTON, WESLEY L., US
[72] BONNET, NICEPHORE, US
[71] KURION, INC., US
[22] 2016-09-07
[41] 2017-04-09
[30] US (62/239,660) 2015-10-09
[30] US (15/171,183) 2016-06-02

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[13] A1
[51] **Int.Cl. C08H 7/00 (2011.01)**
[25] EN
[54] **METHOD FOR PRODUCING SOLID LIGNIN**
[54] **PROCEDE DE PRODUCTION DE LIGNINE SOLIDE**
[72] ENQVIST, ERIC, FI
[72] TARVO, VILLE, FI
[72] TIKKA, PANU, FI
[72] WITTMANN, TOBIAS, DE
[72] WALLMO, HENRIK, SE
[72] LITTORIN, ANDERS, SE
[71] VALMET TECHNOLOGIES OY, FI
[22] 2016-09-12
[41] 2017-04-13
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[51] **Int.Cl. E21C 37/00 (2006.01) E21B 7/00 (2006.01)**
[25] EN
[54] **ROCK DRILLING RIG**
[54] **ENGIN DE FORAGE DU ROC**
[72] NIEMINEN, IIPO, FI
[72] VALIVAARA, JOHANNES, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[22] 2016-09-16
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[51] **Int.Cl. H02M 7/537 (2006.01) H02S 40/32 (2014.01)**
[25] EN
[54] **FIVE-LEVEL INVERTER AND APPLICATION CIRCUIT OF THE SAME**
[54] **ONDULEUR A CINQ NIVEAUX ET CIRCUIT D'APPLICATION ASSOCIE**
[72] SHEN, TAN, CN
[72] WANG, PENG, CN
[72] GENG, HOULAI, CN
[72] HU, BING, CN
[72] BIE, WEI, CN
[72] DAI, SHANGFANG, CN
[71] SUNGROW POWER SUPPLY CO., LTD., CN
[22] 2016-09-19
[41] 2017-04-10
[30] CN (201510662002.1) 2015-10-10
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[51] **Int.Cl. B62M 6/50 (2010.01) B62M 6/80 (2010.01)**
[25] EN
[54] **AUTOMATED E-ASSIST ADJUSTMENT TO PREVENT USER PERSPIRATION**
[54] **AJUSTEMENT ASSISTE ELECTRONIQUEMENT SERVANT A PREVENIR LA TRANSPIRATION DE L'UTILISATEUR**
[72] MURUGESAN, PRAKASH, CA
[72] WEIGERT, NORMAN J., CA
[72] MANICKARAJ, MARK A., CA
[72] CHAU, JARVIS, CA
[71] GM GLOBAL TECHNOLOGY OPERATIONS LLC, US
[22] 2016-09-19
[41] 2017-04-13
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[51] **Int.Cl. C07D 303/20 (2006.01)**
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[54] **ETHER DE MONOGLYCIDYLE TRISTYRYPHENOL**
[72] BRENNAN, DAVID J., US
[72] CARDOEN, GREGOIRE, US
[72] HEFNER, ROBERT E., JR., US
[72] VAN DYK, ANTONY K., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[22] 2016-09-19
[41] 2017-04-15
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[51] **Int.Cl. E06B 1/70 (2006.01)**
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[54] **DOORSILL**
[54] **SEUIL DE PORTE**
[72] SWANK, THOMAS C., US
[72] JASKIEWICZ, TOMASZ, US
[72] PROCTON, BRUCE E., US
[72] HEID, GEORGE, US
[72] VAN CAMP, BRENT, US
[72] MITCHELL, MICHAEL K., US
[71] ENDURA PRODUCTS, INC., US
[22] 2016-09-21
[41] 2017-04-13
[30] US (14/881,623) 2015-10-13

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[13] A1
[51] **Int.Cl. H01H 71/00 (2006.01) H01H 71/04 (2006.01) H02H 1/00 (2006.01)**
[25] EN
[54] **COMMUNICATING CIRCUIT BREAKER ARCHITECTURE WITH AUTOMATIC LOAD CENTER POSITION IDENTIFICATION**
[54] **ARCHITECTURE DE DISJONCTEUR COMMUNIQUANT OFFRANT L'IDENTIFICATION AUTOMATIQUE DE POSITION DE CENTRE DE CHARGE**
[72] REID, PAUL A., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2016-09-20
[41] 2017-04-13
[30] US (14/881,857) 2015-10-13

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[51] **Int.Cl. H01H 71/00 (2006.01) H01H 71/04 (2006.01) H02H 1/00 (2006.01)**
[25] EN
[54] **TRIP INDICATION USING ADJACENT CIRCUIT BREAKERS**
[54] **INDICATION DE DECLENCHEMENT AU MOYEN DES DISJONCTEURS ADJACENTS**
[72] REID, PAUL A., US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2016-09-20
[41] 2017-04-13
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[13] A1
[51] **Int.Cl. F01D 9/04 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **SHROUD ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ASSEMBLAGE DE CARENAGE DESTINE A UNE TURBINE A GAZ**
[72] PITT, SIMON, GB
[71] ROLLS-ROYCE PLC, GB
[22] 2016-09-22
[41] 2017-04-14
[30] GB (1518131.6) 2015-10-14

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[13] A1
[51] **Int.Cl. F16H 57/023 (2012.01) F02C 7/36 (2006.01)**
[25] EN
[54] **A GEARED GAS TURBINE ENGINE**
[54] **UN MOTEUR DE TURBINE A GAZ A ENGRENAGE**
[72] CHMYLKOWSKI, PAWEL B, GB
[71] ROLLS-ROYCE PLC, GB
[22] 2016-09-26
[41] 2017-04-15
[30] GB (1518227.2) 2015-10-15

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/115 (2006.01) A61B 17/285 (2006.01)**
[25] EN
[54] **ADAPTER ASSEMBLY FOR SURGICAL DEVICE**
[54] **DISPOSITIF D'ADAPTATEUR DESTINE A UN APPAREIL CHIRURGICAL**
[72] GUTELIUS, PATRICK, US
[72] RADZIUNAS, JEFFREY, US
[72] KHOURI, KHALIL, US
[71] COVIDIEN LP, US
[22] 2016-09-27
[41] 2017-04-09
[30] US (62/239,301) 2015-10-09
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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **SYSTEM FOR CENTRALIZED MONITORING AND CONTROL OF ELECTRIC POWERED HYDRAULIC FRACTURING FLEET**
[54] **SYSTEME DE SURVEILLANCE CENTRALISEE ET DE CONTROLE D'UNE FLOTTE D'APPAREILS DE FRACTURATION HYDRAULIQUE ALIMENTEE A L'ELECTRICITE**
[72] BROUSSARD, JOEL N., US
[72] MCPHERSON, JEFF, US
[72] KURTZ, ROBERT, US
[72] OEHRING, JARED, US
[72] HINDERLITER, BRANDON, US
[71] US WELL SERVICES LLC, US
[22] 2016-09-27
[41] 2017-04-15
[30] US (14/884,363) 2015-10-15

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[51] **Int.Cl. B64D 29/04 (2006.01) B64C 7/02 (2006.01) B64D 27/14 (2006.01) B64D 29/06 (2006.01)**
[25] EN
[54] **AFT ENGINE FOR AN AIRCRAFT**
[54] **MOTEUR ARRIERE D'UN AERONEF**
[72] BECKER, THOMAS LEE, US
[72] MURROW, KURT DAVID, US
[72] MARRINAN, PATRICK MICHAEL, US
[72] MILLER, BRANDON WAYNE, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-09-29
[41] 2017-04-09
[30] US (14/879,217) 2015-10-09

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/115 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **ADAPTER ASSEMBLY FOR SURGICAL DEVICES**
[54] **DISPOSITIF D'ADAPTATEUR DESTINE A DES APPAREILS CHIRURGICAUX**
[72] WILLIAMS, JUSTIN, US
[71] COVIDIEN LP, US
[22] 2016-09-28
[41] 2017-04-14
[30] US (14/882,550) 2015-10-14

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[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 5/18 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **SHROUDS AND METHODS FOR FORMING TURBINE COMPONENTS**
[54] **CARENAGES ET METHODES DE FORMATION DE COMPOSANTES DE TURBINE**
[72] STAPLETON, DAVID SCOTT, US
[72] GROVES, ROBERT CHARLES, II, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-09-29
[41] 2017-04-14
[30] US (14/882,909) 2015-10-14

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[51] **Int.Cl. F03B 3/12 (2006.01) F01D 5/30 (2006.01) F03B 13/26 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **TURBINE**
[54] **TURBINE**
[72] BALDUS, MARTIN, DE
[71] SCHOTTEL HYDRO GMBH, DE
[22] 2016-09-28
[41] 2017-04-15
[30] DE (10 2015 117 520.7) 2015-10-15

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[13] A1
[51] **Int.Cl. C05G 3/02 (2006.01) A01N 59/06 (2006.01) A01P 7/04 (2006.01) C01B 33/24 (2006.01)**
[25] EN
[54] **ACICULAR WOLLASTONITE GRAINS FOR KILLING GRUBS AND METHOD OF MAKING SAME**
[54] **GRAINS DE WOLLASTONITE ACICULAIRE DESTINES A FAIRE MOURIR DES SOUCHES ET METHODE DE FABRICATION ASSOCIEE**
[72] VASILY, ROBERT ALLAN, CA
[71] 2005948 ONTARIO LIMITED A/O CANADIAN WOLLASTONITE, CA
[22] 2016-10-03
[41] 2017-04-09
[30] US (62/239,623) 2015-10-09

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[13] A1
[51] **Int.Cl. F04D 7/04 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01)**
[25] EN
[54] **PUMP FOR CONVEYING A HIGHLY VISCOUS FLUID**
[54] **POMPE SERVANT A TRANSPORTER UN LIQUIDE TRES VISQUEUX**
[72] RODRIGUES, ARNALDO, CH
[71] SULZER MANAGEMENT AG, CH
[22] 2016-10-03
[41] 2017-04-14
[30] EP (15189843.4) 2015-10-14

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[13] A1
[51] **Int.Cl. F04D 7/04 (2006.01) F04D 29/22 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **PUMP FOR CONVEYING A HIGHLY VISCOUS FLUID**
[54] **POMPE SERVANT A TRANSPORTER UN LIQUIDE TRES VISQUEUX**
[72] LIGHTHEART, BARRY, CA
[71] SULZER MANAGEMENT AG, CH
[22] 2016-10-03
[41] 2017-04-14
[30] EP (15189840.0) 2015-10-14

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[21] **2,944,087**
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[51] **Int.Cl. H01F 27/33 (2006.01) G10K 11/16 (2006.01)**
[25] EN
[54] **ACOUSTIC PANELS FOR TRANSFORMERS**
[54] **PANNEAUX ACOUSTIQUES DESTINES A DES TRANSFORMATEURS**
[72] RUIZ ESCOBEDO, SERGIO CAMILO, MX
[72] HERRERA SAUCEDO, EDUARDO, MX
[72] ESPARZA LOPEZ, JAIME, MX
[71] PROLEC GE INTERNACIONAL, S. DE R.L. DE C.V., MX
[22] 2016-10-04
[41] 2017-04-14
[30] MX (MX/A/2015/014449) 2015-10-14

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[21] **2,944,209**
[13] A1
[51] **Int.Cl. G01B 3/10 (2006.01)**
[25] EN
[54] **HORIZONTAL-REEL TAPE MEASURE**
[54] **RUBAN A MESURER A DEVIDOIR HORIZONTAL**
[72] REESE, BRIAN TODD, US
[72] MAYER, CODY LYLE, US
[71] SEARS BRANDS, LLC, US
[22] 2016-10-04
[41] 2017-04-12
[30] US (14/880,599) 2015-10-12

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[21] **2,944,243**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **SELF-CENTERING MULTIRAY ABLATION CATHETER**
[54] **CATHETER D'ABLATION MULTIRAYON AUTOCENTRANT**
[72] CLARK, JEFFREY, US
[72] ASHTON, JOHN, US
[72] HOITINK, RYAN, US
[72] SCHULTZ, JEFFREY, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2016-10-04
[41] 2017-04-13
[30] US (14/881,576) 2015-10-13

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[21] **2,944,246**
[13] A1
[51] **Int.Cl. E02D 5/56 (2006.01) E02D 7/02 (2006.01)**
[25] EN
[54] **SPLIT FLIGHT PILE SYSTEMS AND METHODS**
[54] **SYSTEMES D'EMPILEMENT DE VIS SANS FIN FENDUES ET METHODES**
[72] SUVER, PAUL, US
[71] AMERICAN PILEDRIVING EQUIPMENT, INC., US
[22] 2016-10-05
[41] 2017-04-09
[30] US (62/239,692) 2015-10-09
[30] US (15/285,326) 2016-10-04

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[21] **2,944,247**
[13] A1
[51] **Int.Cl. F23D 14/10 (2006.01) A47J 37/07 (2006.01) F23D 14/48 (2006.01)**
[25] EN
[54] **BURNER TUBE FOR GAS GRILL**
[54] **TUBE DE BRULEUR DESTINE A UN GRILL AU GAZ**
[72] ALDEN, J. MICHAEL, US
[72] SHOEB, MOHAMMED, US
[72] SCHMESKI, KEVIN JAMES, US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[22] 2016-10-05
[41] 2017-04-12
[30] US (14/880,654) 2015-10-12

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[21] **2,944,250**
[13] A1
[51] **Int.Cl. F23D 14/10 (2006.01) F24C 3/08 (2006.01)**
[25] EN
[54] **GAS INLET FIXTURE AND AIR SHUTTER**
[54] **INSTALLATION D'ARRIVEE DE GAZ ET VOLET D'AIR**
[72] VOSS, ROY N., US
[72] SHOEB, MOHAMMED, US
[71] WEBER-STEPHEN PRODUCTS, LLC, US
[22] 2016-10-05
[41] 2017-04-15
[30] US (14/883,827) 2015-10-15

[21] **2,944,264**
[13] A1
[51] **Int.Cl. G01F 1/00 (2006.01)**
[25] EN
[54] **WIRELESS PARTICULATE SOLID MATERIAL FLOW SENSOR WITH INTERNAL BATTERY**
[54] **DETECTEUR D'ECOULEMENT DE MATERIAU SOLIDE PARTICULAIRE SANS FIL DOTE D'UNE BATTERIE INTERNE**
[72] DO AMARAL ASSY, JOSE ROBERTO, BR
[72] ROSA, ALEXANDRE LEITE, BR
[72] DE OLIVEIRA LADEIRA, RODRIGO TADEU, BR
[72] DE LACERDA, SILVIO, BR
[72] DO NASCIMENTO, IVANILDO BATISTA, BR
[72] TORQUATO, GUSTAVO BALDON, BR
[71] DO AMARAL ASSY, JOSE ROBERTO, BR
[22] 2016-10-05
[41] 2017-04-09
[30] BR (10 2015 025882 8) 2015-10-09

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[21] **2,944,288**
[13] A1
[51] **Int.Cl. G06F 3/0482 (2013.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **GRAPHICAL USER INTERFACE AND METHOD AND APPARATUS OF NAVIGATING USING SAME**
[54] **INTERFACE UTILISATEUR GRAPHIQUE ET METHODE ET APPAREIL DE NAVIGATION EMPLOYANT LADITE INTERFACE**
[72] NADELLA, TRINADH K., US
[72] DEVINENI, KAVITHA, US
[71] WAL-MART STORES, INC., US
[22] 2016-10-05
[41] 2017-04-09
[30] US (62/239,631) 2015-10-09

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[21] **2,944,296**
[13] A1
[51] **Int.Cl. H04B 1/16 (2006.01) H04W 80/02 (2009.01)**
[25] EN
[54] **MULTI-CHANNEL DECODER ARCHITECTURE**
[54] **ARCHITECTURE DE DECODEUR MULTICANAL**
[72] SEELY, DANNY RAY, US
[72] MCNAMEE, MICHAEL DAVID, US
[71] ITRON, INC., US
[22] 2016-10-05
[41] 2017-04-09
[30] US (14/879,262) 2015-10-09

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[21] **2,944,300**
[13] A1
[51] **Int.Cl. A01G 3/08 (2006.01) A01G 3/02 (2006.01)**
[25] EN
[54] **PRUNING SHEARS**
[54] **CISAILLES DE TAILLE D'ARBRE**
[72] LINDEN, OLAVI, FI
[72] LINDEN, JAN, FI
[71] FISKARS FINLAND OY AB, FI
[22] 2016-10-04
[41] 2017-04-13
[30] FI (20155719) 2015-10-13

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[21] **2,944,392**
[13] A1
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/18 (2006.01)**
[25] EN
[54] **TURBINE BLADE**
[54] **PALE DE TURBINE**
[72] KRUMANAKER, MATTHEW LEE, US
[72] BERGHOLZ, ROBERT FREDERICK, US
[72] SMITH, AARON EZEKIEL, US
[72] DOOLEY, WESTON NOLAN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,057) 2015-10-15

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[21] **2,944,408**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01)**
[25] EN
[54] **TURBINE BLADE**
[54] **PALE DE TURBINE**
[72] KRUMANAKER, MATTHEW LEE, US
[72] BRASSFIELD, STEVEN ROBERT, US
[72] BERGHOLZ, ROBERT FREDERICK, US
[72] SMITH, AARON, EZEKIEL, US
[72] DOOLEY, WESTON NOLAN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,114) 2015-10-15

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[21] **2,944,412**
[13] A1
[51] **Int.Cl. F01D 25/12 (2006.01) F01D 5/18 (2006.01) F01D 9/02 (2006.01)**
[25] EN
[54] **SHROUD ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ASSEMBLAGE DE CARENAGE DESTINE A UNE TURBINE A GAZ**
[72] NASR, HOJJAT, US
[72] LASKOWSKI, GREGORY MICHAEL, US
[72] STOVER, CURTIS WALTON, US
[72] VINING, WILLIAM COLLINS, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,152) 2015-10-15

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[21] **2,944,429**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01) F01D 5/14 (2006.01)**
[25] EN
[54] **TURBINE BLADE**
[54] **PALE DE TURBINE**
[72] KRUMANAKER, MATTHEW LEE, US
[72] BRASSFIELD, STEVEN ROBERT, US
[72] BERGHOLZ, ROBERT FREDERICK, US
[72] SMITH, AARON EZEKIEL, US
[72] DOOLEY, WESTON NOLAN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,009) 2015-10-15

[21] **2,944,449**
[13] A1
[51] **Int.Cl. F21K 9/62 (2016.01) F21K 9/60 (2016.01)**
[25] EN
[54] **AN INDIRECT LIGHT MIXING LED MODULE FOR POINT-SOURCE APPLICATIONS**
[54] **UN MODULE A DEL DE MELANGE INDIRECT DE LUMIERE DESTINE A DES APPLICATIONS AU POINT SOURCE**
[72] DUBUC, EDEN, CA
[72] TAVERNESE, LUIGI, CA
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/883,700) 2015-10-15

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[21] **2,944,464**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01)**
[25] EN
[54] **TURBINE BLADE**
[54] **PALE DE TURBINE**
[72] KRUMANAKER, MATTHEW LEE, US
[72] DOOLEY, WESTON NOLAN, US
[72] BRASSFIELD, STEVEN ROBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,088) 2015-10-15

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[21] **2,944,468**
[13] A1
[51] **Int.Cl. F21K 9/62 (2016.01) F21K 9/60 (2016.01)**
[25] EN
[54] **INDIRECT COLOR-MIXING LED MODULE FOR POINT-SOURCE APPLICATION**
[54] **UN MODULE A DEL DE MELANGE INDIRECT DE COULEUR DESTINE A DES APPLICATIONS AU POINT SOURCE**
[72] DUBUC, EDEN, CA
[72] TAVERNESE, LUIGI, CA
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/883,697) 2015-10-15

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[21] **2,944,474**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01)**
[25] EN
[54] **TURBINE BLADE**
[54] **PALE DE TURBINE**
[72] KRUMANAKER, MATTHEW LEE, US
[72] DOOLEY, WESTON NOLAN, US
[72] BRASSFIELD, STEVEN ROBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,100) 2015-10-15

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[21] **2,944,496**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01) F01D 5/14 (2006.01)**
[25] EN
[54] **TURBINE BLADE**
[54] **PALE DE TURBINE**
[72] KRUMANAKER, MATTHEW LEE, US
[72] DOOLEY, WESTON NOLAN, US
[72] BRASSFIELD, STEVEN ROBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-10-06
[41] 2017-04-15
[30] US (14/884,075) 2015-10-15

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[21] **2,944,497**
[13] A1
[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/06 (2006.01)**
[25] EN
[54] **TIRE SENSING SYSTEM OF KINETIC PARAMETERS**
[54] **SYSTEME DE DETECTION PAR PNEU DE PARAMETRES CINETIQUES**
[72] LIN, YI-CHUAN, TW
[71] LIN, YI-CHUAN, TW
[22] 2016-10-06
[41] 2017-04-15
[30] TW (104133805) 2015-10-15

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[21] **2,944,592**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FORMING PURCHASE AGREEMENTS**
[54] **APPAREIL ET METHODE DE CREATION D'ENTENTES D'ACHAT**
[72] BLASS, RUTH A., US
[72] EMBREE, KELLIE D., US
[72] MONTONDO, MERIAH D., US
[71] WAL-MART STORES, INC., US
[22] 2016-10-06
[41] 2017-04-09
[30] US (62/239,557) 2015-10-09

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[21] **2,944,659**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01)**
[25] EN
[54] **METHODS FOR TRANSFORMING A SERVER SIDE TEMPLATE INTO A CLIENT SIDE TEMPLATE AND DEVICES THEREOF**
[54] **METHODES DE TRANSFORMATION D'UN GABARIT COTE SERVEUR EN UN GABARIT COTE CLIENT ET DISPOSITIFS ASSOCIES**
[72] SCODA, ENRICO, IT
[72] PITTINO, LUCA, IT
[72] PEZZANO, SIMONE, IT
[71] USABLENET INC., US
[22] 2016-10-05
[41] 2017-04-15
[30] US (14/883,886) 2015-10-15

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[21] **2,944,687**
[13] A1
[51] **Int.Cl. A61H 23/00 (2006.01) A61H 23/02 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **PERCUSSIVE CHEST THERAPY APPARATUS HAVING A NEBULIZER INTERFACE**
[54] **APPAREIL DE THERAPIE THORACIQUE A PERCUSSION COMPORTANT UNE INTERFACE DE NEBULISEUR**
[72] VENKATARAYA, SURESHA, SG
[71] HILL-ROM SERVICES PTE LIMITED, SG
[22] 2016-10-06
[41] 2017-04-13
[30] US (62/240,704) 2015-10-13

[21] **2,944,739**
[13] A1
[51] **Int.Cl. G01F 1/74 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MEASURING A GAS VOLUME FRACTION OF AN AERATED FLUID IN A REACTOR**
[54] **APPAREIL ET METHODE SERVANT A MESURER UNE FRACTION D'UN VOLUME DE GAZ D'UN LIQUIDE AERE DANS UN REACTEUR**
[72] MALDONADO SAAVEDRA, MIGUEL ANDRES, CL
[72] GOMEZ OCARANZA, CESAR PATRICIO, CL
[71] UNIVERSIDAD DE SANTIAGO DE CHILE, CL
[22] 2016-10-07
[41] 2017-04-09
[30] CL (3017-2015) 2015-10-09

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[21] **2,944,754**
[13] A1
[51] **Int.Cl. H03F 3/68 (2006.01) H03F 3/189 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **ARCHITECTURE OF A WIDEBAND DISTRIBUTED AMPLIFICATION DEVICE**
[54] **ARCHITECTURE D'UN DISPOSITIF D'AMPLIFICATION DISTRIBUEE A LARGE BANDE**
[72] GONZALEZ ESTEBAN, EVA MARIA, FR
[72] VOISIN, PHILIPPE, FR
[72] BRIAND, ALINE, FR
[72] ONILLON, BERTRAND, FR
[72] TAISANT, JEAN-PHILIPPE, FR
[71] THALES, FR
[71] CENTRE NATIONAL D'ETUDES SPATIALES (CNES), FR
[22] 2016-10-07
[41] 2017-04-09
[30] FR (1502128) 2015-10-09

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[21] **2,944,812**
[13] A1
[51] **Int.Cl. B62K 11/02 (2006.01) B62K 19/30 (2006.01)**
[25] EN
[54] **SADDLE TYPE VEHICLE**
[54] **VEHICULE DE TYPE A SELLE**
[72] KOISHIKAWA, TAKUMA, JP
[72] BIRTULESCU, EDWARD, US
[71] HONDA MOTOR CO., LTD., JP
[22] 2016-10-07
[41] 2017-04-09
[30] JP (2015-201591) 2015-10-09

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[21] **2,944,815**
[13] A1
[51] **Int.Cl. B62K 11/02 (2006.01) B62J 15/00 (2006.01) B62K 19/30 (2006.01)**
[25] EN
[54] **SADDLE TYPE VEHICLE**
[54] **VEHICULE DE TYPE A SELLE**
[72] KOISHIKAWA, TAKUMA, JP
[72] HIGASHIJIMA, YOSHIKI, JP
[72] SAKAI, TORU, JP
[71] HONDA MOTOR CO., LTD., JP
[22] 2016-10-07
[41] 2017-04-09
[30] JP (2015-201592) 2015-10-09

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[21] **2,944,820**
[13] A1
[51] **Int.Cl. C12Q 1/00 (2006.01) C12M 1/34 (2006.01) C12Q 1/26 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL BIOSENSOR FOR METABOLIC DISEASE OF CATTLE**
[54] **BIODETECTEUR ELECTROCHIMIQUE DE TROUBLE METABOLIQUE D'UN BOVIN**
[72] NEETHIRAJAN, SURESH, CA
[72] VEERAPANDIAN, MURUGAN, CA
[71] UNIVERSITY OF GUELPH, CA
[22] 2016-10-07
[41] 2017-04-09
[30] US (62/239,474) 2015-10-09

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[21] **2,944,851**
[13] A1
[51] **Int.Cl. F16L 25/00 (2006.01) F16L 25/12 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR A PIPE COUPLING FOR IRRIGATION**
[54] **SYSTEME, METHODE ET APPAREIL DE RACCORDEMENT DE TUYAU D'IRRIGATION**
[72] DEAN, ROY LUCAS, US
[72] ALLARD, BRYAN FITZGERALD, US
[72] DOTSEY, MICHAEL AUSTIN, US
[71] NORTH AMERICAN SPECIALTY PRODUCTS LLC, US
[22] 2016-10-11
[41] 2017-04-12
[30] US (62/240,288) 2015-10-12
[30] US (15/286,398) 2016-10-05

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[21] **2,944,859**
[13] A1
[51] **Int.Cl. A45C 11/00 (2006.01)**
[25] EN
[54] **CASE CONSTRUCTION FOR AN ELECTRONIC DEVICE WITH FOLDING DEVICE-SUPPORT FEATURE**
[54] **CONSTRUCTION DE BOITIER DESTINEE A UN DISPOSITIF ELECTRONIQUE COMPORTANT UNE FONCTIONNALITE DE SUPPORT DE DISPOSITIF PLIANT**
[72] SIRICHAI, SAHARUT, US
[72] MULHERN, IORDANKA KOLEVA, US
[71] WORLD RICHMAN MANUFACTURING CORPORATION, US
[22] 2016-10-11
[41] 2017-04-11
[30] US (62/239,930) 2015-10-11

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[13] A1
[51] **Int.Cl. A43B 5/00 (2006.01) A43C 11/00 (2006.01)**
[25] EN
[54] **GOLF SHOES**
[54] **CHAUSSURES DE GOLF**
[72] REGAN, LISA, CA
[72] ABLACK, DAVID, CA
[71] REGAN, LISA, CA
[71] ABLACK, DAVID, CA
[22] 2016-10-12
[41] 2017-04-12
[30] US (62/240204) 2015-10-12

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **CUSTOMER LOYALTY PROGRAM ACROSS MULTIPLE SHOPPING CHANNELS**
[54] **PROGRAMME DE FIDELISATION DE PLUSIEURS CHAINES D'ACHAT**
[72] NATARAJAN, CHANDRASHEKAR, US
[72] HIGH, DONALD R., US
[72] GAT, DHAVAL, IN
[71] WAL-MART STORES, INC., US
[22] 2016-10-11
[41] 2017-04-15
[30] US (62/241,964) 2015-10-15

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[21] **2,944,893**
[13] A1
[51] **Int.Cl. H01R 43/00 (2006.01) B25B 7/12 (2006.01) B25B 7/22 (2006.01)**
[25] EN
[54] **DETACHABLE CASSETTE FOR MACHINING CONNECTOR AND CRIMP TOOL HAVING THE SAME**
[54] **CASSETTE DETACHABLE DESTINEE A L'USINAGE D'UN CONNECTEUR ET OUTIL DE SERTISSAGE COMPORTANT LADITE CASSETTE**
[72] HUANG, WEN-LUNG, TW
[71] SULLIVAN, ROBERT W., US
[22] 2016-10-07
[41] 2017-04-13
[30] TW (104133572) 2015-10-13
[30] US (14/998,646) 2016-01-29

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06F 15/18 (2006.01) G06F 19/00 (2011.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ONLINE ANALYSIS OF STAKEHOLDERS**
[54] **SYSTEMES ET METHODES D'ANALYSE EN LIGNE DE PARTIES PRENANTES**
[72] EL-DIRABY, TAMER, CA
[72] NIK-BAKHT, MAZDAK, CA
[72] KINAWY, SHERIF, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2016-10-12
[41] 2017-04-13
[30] US (62/240,814) 2015-10-13

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[21] **2,944,930**
[13] A1
[51] **Int.Cl. B25B 7/14 (2006.01)**
[25] EN
[54] **LOCK MECHANISM AND HAND TOOL HAVING THE SAME**
[54] **MECANISME DE VERROU ET OUTIL MANUEL COMPORTANT LEDIT MECANISME**
[72] HUANG, WEN-LUNG, TW
[71] SULLIVAN, ROBERT W., US
[22] 2016-10-07
[41] 2017-04-13
[30] TW (104133573) 2015-10-13
[30] US (14/998,886) 2016-02-26

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[21] **2,944,932**
[13] A1
[51] **Int.Cl. B65B 31/02 (2006.01)**
[25] EN
[54] **VACUUM DRAWER FOR VACUUMING FOOD**
[54] **TIROIR D'ASPIRATEUR DESTINE A ASPIRER LES ALIMENTS**
[72] BOCKS, STEFAN, DE
[72] HARLANDER, FLORIAN, DE
[71] MICHATEK K.S., SK
[22] 2016-10-12
[41] 2017-04-15
[30] DE (10 2015 013 444.2) 2015-10-15

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[21] **2,944,933**
[13] A1
[51] **Int.Cl. B60D 1/58 (2006.01) B60D 1/01 (2006.01)**
[25] EN
[54] **KINGPIN ADAPTER**
[54] **ADAPTATEUR DE CHEVILLE**
[72] PULLIAM, RANDALL A., US
[72] KARASCH, JAMES M., US
[71] PULLIAM ENTERPRISES, INC., US
[22] 2016-10-12
[41] 2017-04-12
[30] US (62240216) 2015-10-12

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[21] **2,944,936**
[13] A1
[51] **Int.Cl. G06F 19/00 (2011.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRONIC MEDICAL CHARTING**
[54] **SYSTEMES ET METHODES DE MISE EN GRAPHIQUE ELECTRONIQUE DE DONNEES MEDICALES**
[72] ACHARYA, AMIT, US
[72] KANE, JAMES R., US
[71] MARSHFIELD CLINIC HEALTH SYSTEM, INC., US
[22] 2016-10-07
[41] 2017-04-14
[30] US (14/882693) 2015-10-14

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[21] **2,944,937**
[13] A1
[51] **Int.Cl. A47B 43/00 (2006.01)**
[25] EN
[54] **PILLOW RACK**
[54] **SUPPORT A OREILLER**
[72] WILLIAMS, JUDITH A., US
[71] WILLIAMS, JUDITH A., US
[22] 2016-10-12
[41] 2017-04-12
[30] US (14880678) 2015-10-12

[21] **2,944,938**
[13] A1
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[54] **SYSTEM AND METHOD FOR USING CONDITIONAL PROBABILITIES TO ENHANCE GAMING PAYOUTS**
[54] **SYSTEME ET METHODE D'UTILISATION DE PROBABILITES CONDITIONNELLES EN VUE D'AMELIORER LES RENDEMENTS DE JEU**
[72] IRWIN, KENNETH E., US
[72] SIEMASKO, ROBERT J., US
[72] BRESLO, JAMES A., US
[71] DIAMOND GAME ENTERPRISES, US
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[54] **RESERVOIR PLIANT A CAPACITE ETENDUE**
[72] CHRISTENSEN, CHAD A., US
[71] FOLD-DA-TANK COMPANY, US
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[54] **SPREADER FOR SPREADING GRANULAR MATERIAL AND METHOD OF SPREADING GRANULAR MATERIAL**
[54] **EPANDEUSE DESTINEE A L'EPANDAGE DE MATIERE GRANULAIRE ET METHODE D'EPANDAGE DE MATIERE GRANULAIRE**
[72] GAMBLE, ROBERT N., II, US
[72] WENDORFF, TERRY C., US
[71] SNO-WAY INTERNATIONAL, INC., US
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[54] **BLADE ROOT BEARING, OSCILLATING SYSTEM AND ROTATING SYSTEM**
[54] **ROULEMENT DE PIED DE PALE, SYSTEME OSCILLANT ET SYSTEME TOURNANT**
[72] LEFORT, GUILLAUME, FR
[71] NTN-SNR ROULEMENTS, FR
[22] 2016-10-07
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[25] EN
[54] **ROBOTIC INSPECTION DEVICE**
[54] **APPAREIL D'INSPECTION ROBITIQUE**
[72] COSTA, RAMON ROMANKEVICIUS, BR
[72] FREITAS, GUSTAVO MEDEIROS, BR
[72] FROM, PAL JOHAN, BR
[72] SALES DE CARVALHO, GUILHERME PIRES, BR
[72] GALASSI, MAURICIO, BR
[72] ROYROY, ANDERS, BR
[72] DERKS, PETER WILHELMUS JACQUES, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
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[54] **PLANCHE A DECOUPER DOTEE D'UN COUTEAU A PIVOT AMOVIBLE**
[72] BERTHELETTE, ANDRE, CA
[71] BERTHELETTE, ANDRE, CA
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[25] EN
[54] **TUBE FOR HOT FOOD FLUIDS**
[54] **TUBE DESTINE AUX LIQUIDES ALIMENTAIRES CHAUDS**
[72] DEREGIBUS, ANDREA, IT
[71] TUBIGOMMA DEREGIBUS S.R.L., IT
[22] 2016-10-11
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[30] IT (102015000060379) 2015-10-12

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[25] EN
[54] **REFRIGERATION EFFICIENCY MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE L'EFFICACITE DE LA REFRIGERATION**
[72] JOHNSON, KARL, US
[72] STOPPERAN, JAHN, US
[71] RITCHIE ENGINEERING COMPANY, INC., US
[22] 2016-10-11
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[25] EN
[54] **METHOD FOR ESTABLISHING RADIOFREQUENCY LINKS IN A TELECOMMUNICATION NETWORK WITH AN OPTIMISED GROUND GATEWAY NETWORK**
[54] **METHODE D'ETABLISSEMENT DE LIENS DE FREQUENCE RADIO DANS UN RESEAU DE TELECOMMUNICATION AYANT UN RESEAU PASSERELLE TERRESTRE OPTIMISE**
[72] LE PERA, ALESSANDRO, FR
[71] EUTELSAT S A, FR
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[51] **Int.Cl. H02P 29/00 (2016.01) A01D 34/00 (2006.01) A01D 34/78 (2006.01)**
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[54] **POWER TOOL AND CONTROL METHOD THEREOF**
[54] **OUTIL ELECTRIQUE ET METHODE DE COMMANDE ASSOCIEE**
[72] YANG, DEZHONG, CN
[72] XIAN, CHAO, CN
[72] LI, HAIYAN, CN
[71] CHERVON (HK) LIMITED, HK
[22] 2016-10-12
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[25] EN
[54] **LASSO CATHETER WITH MOVEABLE ABLATION SPINE**
[54] **CATHETER LASSO A CRETE D'ABLATION MOBILE**
[72] FANG, ITZHAK, US
[72] CLARK, JEFFREY, US
[72] DATTA, KESHAVA, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[51] **Int.Cl. G06T 17/20 (2006.01) A61B 34/10 (2016.01) G06T 15/00 (2011.01)**
[25] EN
[54] **VOXELIZATION OF A MESH**
[54] **VOXELISATION D'UN MAILLAGE**
[72] ZAR, LIOR, IL
[72] KATZ, NATAN SHARON, IL
[72] COHEN, BENJAMIN, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[51] **Int.Cl. F02C 7/052 (2006.01) F01D 9/02 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **NOZZLE FOR A GAS TURBINE ENGINE**
[54] **BUSE DESTINEE A UNE TURBINE A GAZ**
[72] NASR, HOJJAT, US
[72] BUNKER, RONALD SCOTT, US
[72] LASKOWSKI, GREGORY MICHAEL, US
[72] KRAMMER, ERICH ALOIS, US
[71] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **CAGE VALVE WITH FLOW TRIM FOR REDUCED PORT EROSION**
[54] **VANNE A CAGE A GARNITURE D'ECOULEMENT DESTINEE A REDUIRE L'EROSION DE L'ORIFICE**
[72] BOHAYCHUK, LARRY J., CA
[72] WILLIAMS, DANIEL HARLEN, US
[72] REYNOLDS, CODY RYAN, US
[72] SLEIMAN, ANWAR ABDUL, CA
[71] MASTER FLO VALVE INC., CA
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[51] **Int.Cl. A63F 13/80 (2014.01) G06Q 50/34 (2012.01) A63F 13/30 (2014.01) G07F 17/32 (2006.01)**
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[54] **TOURNAMENT BASED ON POKER-LIKE GAMES BASED ON LIVE SPORTING EVENTS**
[54] **TOURNOI FONDE SUR DES JEUX DE TYPE POKER FONDES SUR DES EVENEMENTS SPORTIFS EN DIRECT**
[72] SIMON, BURTON, US
[71] SIMON, BURTON, US
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[30] US (62/239,423) 2015-10-09

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[51] **Int.Cl. H04W 4/00 (2009.01) H04W 84/10 (2009.01) G08B 21/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING A SUBJECT IN A PREMISES**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE D'UN SUJET SUR UN LIEU**
[72] MAININI, CHRISTOPHER, US
[72] SELTZER, RICHARD ALAN, US
[72] PEERY, PHIL, US
[72] HOYT, EDWARD, US
[71] RADIO SYSTEMS CORPORATION, US
[22] 2016-10-12
[41] 2017-04-12
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[51] **Int.Cl. H02J 13/00 (2006.01) G06Q 50/06 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR IDENTIFYING PHYSICAL SECURITY RISKS TO POWER TRANSMISSION STRUCTURES**
[54] **APPAREIL ET METHODE D'IDENTIFICATION DE RISQUES POUR LA SECURITE PHYSIQUE DES STRUCTURES DE TRANSMISSION D'ELECTRICITE**
[72] PHILLIPS, ANDREW JOHN, US
[71] ELECTRIC POWER RESEARCH INSTITUTE, INC., US
[22] 2016-10-12
[41] 2017-04-12
[30] US (62/240,046) 2015-10-12
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[25] EN
[54] **AIR CONDITIONING AND REFRIGERATION SYSTEM**
[54] **SYSTEME DE CONDITIONNEMENT DE L'AIR ET DE REFRIGERATION**
[72] ZIMMERMANN, AUGUSTO J. PEREIRA, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2016-10-11
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[51] **Int.Cl. F24F 3/14 (2006.01) F28C 1/00 (2006.01) F28F 25/02 (2006.01) F28F 25/12 (2006.01)**
[25] EN
[54] **HEAT DISSIPATION SYSTEMS WITH HYGROSCOPIC WORKING FLUID**
[54] **SYSTEMES DE DISSIPATION THERMIQUE A FLUIDE DE TRAVAIL HYGROSCOPIQUE**
[72] MARTIN, CHRISTOPHER LEE, US
[71] ENERGY & ENVIRONMENTAL RESEARCH CENTER FOUNDATION, US
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[51] **Int.Cl. E21B 23/08 (2006.01)**
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[54] **ELECTRIC POWERED PUMP DOWN**
[54] **POMPE DE FOND ALIMENTEE A L'ELECTRICITE**
[72] OEHRING, JARED, US
[72] HINDERLITER, BRANDON N., US
[71] US WELL SERVICES, LLC, US
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[25] EN
[54] **SECURITY SYSTEM WITH GRAPHICAL ALARM NOTIFICATION**
[54] **SYSTEME DE SECURITE DOTE DE NOTIFICATION D'ALERTE GRAPHIQUE**
[72] CHAUHAN, PRADEEP, US
[71] HONEYWELL INTERNATIONAL INC., US
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[25] EN
[54] **METHOD AND SYSTEM FOR FABRICATION OF HYDROGEN-PERMEABLE MEMBRANES**
[54] **METHODE ET SYSTEME DE FABRICATION DE MEMBRANES PERMEABLES A L'HYDROGENE**
[72] GAUDET, JULIE, CA
[72] GUAY, DANIEL, CA
[72] HONRADO GUERREIRO, BRUNO MANUEL, CA
[72] ROUE, LIONEL, CA
[72] TOSQUES, JACQUES, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
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[51] **Int.Cl. A63B 71/06 (2006.01) A63B 69/22 (2006.01)**
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[54] **HEAVY BAG WORKOUT MONITOR SYSTEMS**
[54] **SYSTEMES DE SURVEILLANCE D'ENTRAINEMENT AVEC UN SAC LOURD**
[72] WILLIAMSON, MICHAEL, CA
[71] WILLIAMSON, MICHAEL, CA
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[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED ROUTE CALCULATION AND DYNAMIC ROUTE UPDATING**
[54] **SYSTEMES ET METHODES DE CALCUL DE PARCOURS AUTOMATISE ET DE MISE A JOUR DE PARCOURS DYNAMIQUE**
[72] SCHUCK, JOSEPH C., US
[72] CORBETT, CHELSIE M., US
[71] SCHUCK, JOSEPH C., US
[71] CORBETT, CHELSIE M., US
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[54] **DE-ICING DEVICE FOR A SPLITTER NOSE OF AN AXIAL TURBINE ENGINE COMPRESSOR**
[54] **DISPOSITIF DE DEGIVRAGE DE NEZ DE DIVISEUR D'UN COMPRESSEUR DE TURBINE AXIALE**
[72] OGGERO, QUENTIN, BE
[71] SAFRAN AERO BOOSTERS SA, BE
[22] 2016-10-14
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[30] BE (BE 2015/5662) 2015-10-15

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[51] **Int.Cl. F24J 2/52 (2006.01) H02S 20/23 (2014.01) E04B 1/38 (2006.01)**
[25] EN
[54] **SELF-SEALING MOUNTING BRACKET FOR ROOF MOUNTED STRUCTURES**
[54] **SUPPORT D'INSTALLATION AUTO-ETANCHEISANT DESTINE AUX STRUCTURES INSTALLEES SUR UN TOIT**
[72] SVEC, JAMES A., US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
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[51] **Int.Cl. B05C 1/06 (2006.01)**
[25] EN
[54] **BRUSHES FOR DELIVERING GLUTINOUS SUBSTANCE TO WORKPIECE FROM END-EFFECTOR AND METHODS FOR MAKING AND USING THE SAME**
[54] **BROSSES SERVANT A DISTRIBUER UNE SUBSTANCE GLUANTE SUR UNE PIECE DE TRAVAIL A PARTIR D'UN EFFECTEUR D'EXTREMITE ET METHODES DE FABRICATION ET UTILISATION DESDITES BROSSES**
[72] DAVANCENS, ANGELICA, US
[71] THE BOEING COMPANY, US
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[41] 2017-04-15
[30] US (62/242216) 2015-10-15
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[25] EN
[54] **BYPASS VALVE ASSEMBLY FOR TURBINE GENERATORS**
[54] **DISPOSITIF DE SOUPAPE DE DERIVATION DESTINE A DES GENERATEURS DE TURBINE**
[72] PASSINO, MARK JEFFREY, US
[72] KOONCE, ANDREW, US
[72] MONTY, MATTHEW, US
[72] WERTHER, DOMINICK, US
[72] SATZMAN, ROY, US
[71] TURBO PARTS, LLC, US
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[51] **Int.Cl. H04W 24/08 (2009.01) H04B 17/00 (2015.01)**
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[54] **WI-FI RADIO HEALTH SCORE**
[54] **POINTAGE DE SANTE DE LA RADIO WI-FI**
[72] SZYMANIK, COLLEEN, US
[72] ROSCOE, ALEXANDER, US
[72] DEROSIA, DARRELL, US
[72] MAYER, BRADLEY, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[51] **Int.Cl. G05B 19/042 (2006.01) G01R 22/00 (2006.01) G05D 23/19 (2006.01) H02J 13/00 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **A SYSTEM FOR DYNAMIC CONTROL WITH INTERACTIVE VISUALIZATION TO OPTIMIZE ENERGY CONSUMPTION**
[54] **UN SYSTEME DE COMMANDE DYNAMIQUE DOTE DE VISUALISATION INTERACTIVE SERVANT A OPTIMISER LA CONSOMMATION D'ENERGIE**
[72] MEGANATHAN, DEEPAK SUNDAR, US
[72] GHOSH, SOUMEN, US
[71] HONEYWELL INTERNATIONAL INC., US
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[13] A1
[51] **Int.Cl. G07C 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF SECURING ACCESS CONTROL SYSTEMS**
[54] **SYSTEME ET METHODE DE SECURISATION DE SYSTEMES DE CONTROLE D'ACCES**
[72] HUANG, YING, US
[72] OUYANG, LI, US
[72] SHENG, ZHAOCHENG, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2016-10-13
[41] 2017-04-13
[30] US (14/881,848) 2015-10-13

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[13] A1
[51] **Int.Cl. B05D 1/28 (2006.01) B05C 1/06 (2006.01)**
[25] EN
[54] **BRUSHES FOR DELIVERING GLUTINOUS SUBSTANCE TO WORKPIECE FROM END-EFFECTOR AND METHODS FOR USING THE SAME**
[54] **BROSSES SERVANT A DISTRIBUER UNE SUBSTANCE GLUANTE SUR UNE PIECE DE TRAVAIL A PARTIR D'UN EFFECTEUR D'EXTREMITE ET METHODES D'UTILISATION DESDITES BROSSES**
[72] TOMUTA, RAUL, US
[72] TOPF, RICHARD P., US
[72] GUIRGUIS, MARTIN, US
[71] THE BOEING COMPANY, US
[22] 2016-10-14
[41] 2017-04-15
[30] US (62/242216) 2015-10-15
[30] US (15/143140) 2016-04-29

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[13] A1
[51] **Int.Cl. B05C 5/02 (2006.01)**
[25] EN
[54] **APPLICATORS FOR DELIVERING GLUTINOUS SUBSTANCE TO WORKPIECE FROM END-EFFECTOR AND ASSOCIATED APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPLICATEURS SERVANT A DISTRIBUER UNE SUBSTANCE GLUANTE SUR UNE PIECE DE TRAVAIL A PARTIR D'UN EFFECTEUR D'EXTREMITE ET APPAREILS, SYSTEMES ET METHODES ASSOCIEES**
[72] PRINGLE, JOHN W., IV, US
[72] TOMUTA, RAUL, US
[72] WEINMANN, JAKE B., US
[72] BROWN, JOHN J., US
[72] ERICKSON, CHRIS, US
[72] GUIRGUIS, MARTIN, US
[72] TREND, DON D., US
[72] TOPF, RICHARD P., US
[71] THE BOEING COMPANY, US
[22] 2016-10-14
[41] 2017-04-15
[30] US (62/242216) 2015-10-15
[30] US (15/253162) 2016-08-31

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[13] A1
[51] **Int.Cl. F04D 13/08 (2006.01) F04D 13/06 (2006.01) F04D 29/044 (2006.01) F04D 29/046 (2006.01)**
[25] EN
[54] **HIGH VOLUME POND PUMP**
[54] **POMPE D'ETANG A HAUT VOLUME**
[72] FESS, FREDERICK E., II, US
[71] FESS, FREDERICK E., II, US
[22] 2016-10-14
[41] 2017-04-15
[30] US (62/241,870) 2015-10-15

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[13] A1
[51] **Int.Cl. A45F 5/02 (2006.01) H04B 1/3888 (2015.01) H04N 5/77 (2006.01)**
[25] EN
[54] **ARTICLE OF CLOTHING WITH VIDEO RECORDING DEVICE SUPPORT**
[54] **ARTICLE DE VETEMENT DOTE D'UN SUPPORT DE DISPOSITIF D'ENREGISTREMENT VIDEO**
[72] DAVIS, TED MICHAEL, US
[72] SHANAHAN, JOSEPH PATRICK, US
[72] ARAYA, SIMON, US
[72] MCKEEMAN, ROBERT STEWART, US
[71] UTILITY ASSOCIATES, INC., US
[22] 2016-10-14
[41] 2017-04-14
[30] US (62/241,536) 2015-10-14

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[13] A1
[51] **Int.Cl. E21B 21/01 (2006.01)**
[25] EN
[54] **HYDRAULIC WALKING MUD/SHAKER TANK SYSTEM**
[54] **SYSTEME DE RESERVOIR DE MELANGEUR/BOUE DE DRAGAGE HYDRAULIQUE**
[72] GUPTA, ASHISH, US
[72] SHAMAS, RALPH, JR., US
[71] NABORS CORPORATE SERVICES, INC., US
[22] 2016-10-13
[41] 2017-04-14
[30] US (62/241,550) 2015-10-14

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[54] **OUTIL CHIRURGICAL A CAPTEUR ET SYSTEME D'IMAGERIE ET DE SUIVI CHIRURGICAL PENDANT L'INTERVENTION INTEGRANT LEDIT OUTIL**
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[54] **INSULINE MICRONISEE, ANALOGUES D'INSULINE MICRONISEE, ET LEURS PROCEDES DE FABRICATION**
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[72] BO, AILI, US
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[54] **MODULE DE DETECTION ELECTROCHIMIQUE**
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[72] LINDGREN, JON, US
[72] PRESS, [illegible]RDAN, US
[71] ATLAS SCIENTIFIC LLC, US
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[54] **SYSTEMS AND METHODS FOR GENOTYPING PLANT MATERIAL**
[54] **SYSTEMES ET PROCEDES POUR GENOTYPER UNE MATIERE VEGETALE**
[72] ARNOLD, RANDAL, US
[72] COPE, MATTHEW PAUL, US
[72] SCHARES, JUSTIN ANDREW, US
[72] YUN, YUE, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **METHODS AND DEVICES INVOLVING OIL MATRICES**
[54] **PROCEDES ET DISPOSITIFS FAISANT INTERVENIR DES MATRICES HUILEUSES**
[72] ARNOLD, RANDAL, US
[72] BARREIRO, ROBERTO, US
[72] COPE, MATTHEW PAUL, US
[72] HUNTER, CLIFFORD PAUL, US
[72] SCHARES, JUSTIN ANDREW, US
[72] WU, XINLI EMILY, US
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[54] **INHIBITEURS DE SYK**
[72] BLOMGREN, PETER, A., US
[72] CLARKE, ASTRID, US
[72] CURRIE, KEVIN, S., US
[72] DI PAOLO, JULIE, US
[72] KROPF, JEFFREY, E., US
[72] LEE, SEUNG, H., US
[72] LO, JENNIFER, R., US
[72] MITCHELL, SCOTT, A., US
[72] SCHMITT, AARON, C., US
[72] SWAMINATHAN, SUNDARAMOORTHI, US
[72] XIONG, JIN-MING, US
[72] XU, JIANJUN, US
[72] ZHAO, ZHONGDONG, US
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[25] EN
[54] **HAIR TREATMENT COMPOSITION, KIT AND METHOD THEREOF**
[54] **COMPOSITION DE TRAITEMENT CAPILLAIRE, NECESSAIRE ET PROCEDE ASSOCIES**
[72] SCHMENGER, JURGEN, DE
[72] BUREIKO, ANDREI SERGEEVICH, US
[71] NOXELL CORPORATION, US
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[54] **DEVICE AND METHOD FOR DREDGING A WATERCOURSE OR BODY OF WATER, BAG FOR PLANT MATTER, AND METHOD FOR STORING PLANT MATTER**
[54] **DISPOSITIF ET PROCEDE DE CURAGE D'UN COURS D'EAU OU D'UN PLAN D'EAU, POCHE POUR MATIERE VEGETALE ET PROCEDE DE STOCKAGE DE MATIERE VEGETALE**
[72] ROURE, FREDERIC, FR
[71] GECO INGENIERIE, FR
[85] 2017-01-18
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[25] EN
[54] **A COSMETIC COMPOSITION COMPRISING A THICKENING POLYMER, A NON IONIC SURFACTANT, A NON IONIC KOSMOTROPE AND WATER**
[54] **COMPOSITION COSMETIQUE COMPRENANT UN POLYMERE EPAISSISSANT, UN TENSIOACTIF NON IONIQUE, UN KOSMOTROPE NON IONIQUE ET DE L'EAU**
[72] KRAUSE, THOMAS, DE
[72] NIESIG, SILKE, DE
[72] HAAS, FLORIAN, DE
[71] NOXELL CORPORATION, US
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[54] **AGRICULTURAL METHODS**
[54] **PROCEDES AGRICOLES**
[72] DENT, DAVID, GB
[72] DEL CASTILLO MADRIGAL, INMACULADA, GB
[71] AZOTIC TECHNOLOGIES LTD, GB
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[54] **3D FILTER FOR PREVENTION OF STROKE**
[54] **FILTRE 3D POUR LA PREVENTION D'UN ACCIDENT VASCULAIRE CEREBRAL**
[72] FRID, NOUREDDINE, BE
[71] FRID MIND TECHNOLOGIES, BE
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[54] **DOWELS FOR JOINTED CONCRETE AND METHODS OF FORMING AND USING THE SAME**
[54] **GOUJONS POUR BETON JOINTOYE ET PROCEDES DE FORMATION ET D'UTILISATION DE CEUX-CI**
[72] SCHENK, CHRISTOPHER P., US
[71] SCHENK, CHRISTOPHER P., US
[85] 2017-01-20
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[54] **VARIANTS OF TISSUE INHIBITOR OF METALLOPROTEINASE TYPE THREE (TIMP-3), COMPOSITIONS AND METHODS**
[54] **VARIANTS D'INHIBITEUR TISSULAIRE DE LA METALLOPROTEINASE DE TYPE TROIS (TIMP-3), COMPOSITIONS ET PROCEDES**
[72] O'NEILL, JASON C., US
[72] KETCHEM, RANDAL R., US
[72] LEE, TAEWEON, US
[72] CHINTALGATTU, VISHNU, US
[72] STEVENS, JENNITTE LEANN, US
[71] AMGEN INC., US
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[54] **APTAMERS FOR USE AGAINST AUTOANTIBODY-ASSOCIATED DISEASES**
[54] **APTAMERES POUR UNE UTILISATION CONTRE DES MALADIES ASSOCIEES A DES AUTO-ANTICORPS**
[72] MULLER, JOHANNES, DE
[71] BERLIN CURES HOLDING AG, CH
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[25] FR
[54] **BOTTLE FOR A LIQUID OR PASTY COSMETIC PRODUCT, HAVING A RETRACTABLE APPLICATION ELEMENT**
[54] **FLACON POUR PRODUIT COSMETIQUE LIQUIDE OU PATEUX A ELEMENT D'APPLICATION ESCAMOTABLE**
[72] FOGUETEIRO, PAULO, FR
[72] SALCIARINI, CHRISTIAN, FR
[71] CHANEL PARFUMS BEAUTE, FR
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[54] **MOISTURE MANAGEMENT FOR WOUND CARE**
[54] **GESTION D'HUMIDITE POUR SOIN DES PLAIES**
[72] GANN, JOHN P., US
[72] SOERENS, DAVE A., US
[71] AVENT, INC., US
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[54] **METHODS OF DETECTING INFLUENZA**
[54] **METHODES DE DETECTION DE LA GRIPPE**
[72] MOKKAPATI, ANUPAMA, US
[72] BROWN, BRADLEY, US
[72] JONES, ROBERT, US
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[54] **METHOD FOR PRODUCING POLYCRYSTALLINE SILICON**
[54] **PROCEDE DE PRODUCTION DE SILICIUM POLYCRISTALLIN**
[72] POPP, FRIEDRICH, US
[72] HERTLEIN, HARALD, DE
[71] WACKER CHEMIE AG, DE
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[54] **METHOD FOR PREPARING MILK-DERIVED PRODUCTS BASED ON CREAM, RICOTTA AND MIXTURES THEREOF INTENDED FOR QUICK-FREEZING OR FREEZING, PRODUCTS OBTAINED WITH SAID METHOD AND USES THEREOF**
[54] **PROCEDE DE PREPARATION DE PRODUITS DERIVES DE LAIT A BASE DE CREME, DE RICOTTA ET DE MELANGES DE CEUX-CI DESTINES A LA CONGELATION RAPIDE OU LA CONGELATION, PRODUITS OBTENUS AVEC LEDIT PROCEDE ET LEURS UTILISATIONS**
[72] MOGNA, GIOVANNI, IT
[72] STROZZI, GIAN PAOLO, IT
[72] RADICCI, SIMONA, IT
[71] MOFIN S.R.L., IT
[71] CASEIFICIO PUGLIESE F.LLI RADICCI S.P.A., IT
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[54] **PET FOOD**
[54] **ALIMENT POUR ANIMAUX DE COMPAGNIE**
[72] IKEZAKI, YUMA, JP
[72] MIYAMOTO, KATSUNORI, JP
[71] UNICHARM CORPORATION, JP
[85] 2017-02-08
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[25] FR
[54] **CURRENT-TO-VOLTAGE CONVERTER, AMPLIFIER INPUT STAGE AND CORRESPONDING AMPLIFIER**
[54] **CONVERTISSEUR COURANT-TENSION, ETAGE D'ENTREE D'UN AMPLIFICATEUR ET AMPLIFICATEUR CORRESPONDANT**
[72] HUFFENUS, ALEXANDRE, FR
[72] CALMEL, PIERRE-EMMANUEL, FR
[72] GRAS, DAVID AIME PIERRE, FR
[71] DEVIALET, FR
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[25] EN
[54] **ANTI-TIGIT ANTIBODIES**
[54] **ANTICORPS ANTI-TIGIT**
[72] WILLIAMS, SYBIL M. G., US
[72] LAFACE, DRAKE, US
[72] FAYADAT-DILMAN, LAURENCE, US
[72] RAGHUNATHAN, GOPALAN, US
[72] LIANG, LINDA, US
[72] SEGHEZZI, WOLFGANG, US
[71] MERCK SHARP & DOHME CORP., US
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[25] FR
[54] **INPUT STAGE OF AN AMPLIFIER AND CORRESPONDING AMPLIFIER**
[54] **ETAGE D'ENTREE D'UN AMPLIFICATEUR ET AMPLIFICATEUR CORRESPONDANT**
[72] CALMEL, PIERRE-EMMANUEL, FR
[72] HUFFENUS, ALEXANDRE, FR
[71] DEVIALET, FR
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[25] EN
[54] **NEURAL NETWORKS FORMED FROM CELLS DERIVED FROM PLURIPOTENT STEM CELLS**
[54] **RESEAUX NEURONAUX FORMES A PARTIR DE CELLULES ISSUES DE CELLULES SOUCHES PLURIPOTENTES**
[72] MANGAN, KILE P., US
[72] CARLSON, COBY B., US
[71] CELLULAR DYNAMICS INTERNATIONAL, INC., US
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[25] EN
[54] **GH5 XYLANASE FOR DOUGH DRYNESS**
[54] **XYLANASE GH5 POUR LA SECHERESSE D'UNE PATE**
[72] KROGH, KRISTIAN BERTEL ROEMER M., DK
[72] ENGELSEN, MERETE MOELLER, DK
[72] BECKER, FIONA, DK
[71] NOVOZYMES A/S, DK
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[86] 2015-08-18 (PCT/EP2015/068931)
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[25] EN
[54] **IMPROVED COMPOSITIONS OF HETERO- AND HOMOFERMENTATIVE LACTIC ACID BACTERIAL SPECIES FOR DUAL PURPOSE SILAGE PRESERVATION**
[54] **COMPOSITIONS AMELIOREES D'ESPECE BACTERIENNE D'ACIDE LACTIQUE HETERO ET HOMO-FERMENTAIRE POUR LA CONSERVATION DE PRODUITS D'ENSILAGE A DOUBLE USAGE**
[72] HINDRICHSEN, IDA, DK
[72] MILORA, NINA, DK
[72] OHLSSON, CHRISTER, SE
[71] CHR. HANSEN A/S, DK
[85] 2017-02-10
[86] 2015-08-27 (PCT/EP2015/069627)
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[30] EP (14182628.9) 2014-08-28
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[54] **SYSTEM AND METHOD FOR POWER TRANSFER**
[54] **SYSTEME ET PROCEDE DE TRANSFERT D'ENERGIE**
[72] KEITH, AARON REX, NZ
[72] KUMAR, ARUNIM, NZ
[72] ZENG, JUNBO, NZ
[72] HARPHAM, LEWIS FREETH, NZ
[72] MARSON, PAUL DAVID, NZ
[72] VOCKE, SANDER, NZ
[72] WANG, YA-TING, NZ
[71] POWERBYPROXI LIMITED, NZ
[85] 2017-02-10
[86] 2015-08-12 (PCT/NZ2015/050106)
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[30] US (62/070,042) 2014-08-12
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[25] EN
[54] **NEW SULFONYLAMINOBENZAMIDE COMPOUNDS**
[54] **NOUVEAUX COMPOSES SULFONYLAMINOBENZAMIDE**
[72] GAUVRY, NOELLE, CH
[72] PAUTRAT, FRANCOIS, CH
[72] PERRET, JEAN-LUC, CH
[72] TAHTAOUI, CHOUAIB, CH
[71] NOVARTIS TIERGESUNDHEIT AG, CH
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[25] EN
[54] **SOLUBILIZATION OF MSW WITH BLEND ENZYMES**
[54] **SOLUBILISATION DES DECHETS URBAINS SOLIDES (DUS) A L'AIDE D'UN MELANGE D'ENZYMES**
[72] SOERENSEN, HANNE RISBJERG, DK
[72] ROSGAARD, LISA, DK
[72] NIELSEN, HENRIK B., DK
[72] BAEKGAARD, LONE, DK
[72] WAWRZYNCZYK, JOANNA, DK
[71] RENESCIENCE A/S, DK
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[25] EN
[54] **PROCESS FOR PRODUCING SYNTHESIS GAS**
[54] **PROCEDE DE PRODUCTION DE GAZ DE SYNTHESE**
[72] MAASS, HANS-JURGEN, DE
[72] MACHHAMMER, OTTO, DE
[72] BODE, ANDREAS, DE
[72] KOLIOS, GRIGORIOS, DE
[71] BASF SE, DE
[85] 2017-02-14
[86] 2015-08-13 (PCT/EP2015/001675)
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[54] **PYLORIC OBSTRUCTION DEVICE**
[54] **DISPOSITIF D'OBSTRUCTION PYLORIQUE**
[72] ALTMAN, NIR, IL
[72] FABIAN, IZHAK, IL
[71] EASYNOTES LTD., IL
[85] 2017-02-14
[86] 2015-08-24 (PCT/IB2015/056409)
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[25] EN
[54] **INKING APPARATUS OF A PRINTING PRESS, PRINTING PRESS COMPRISING THE SAME AND METHOD OF PRODUCING A VIBRATOR ROLLER**
[54] **APPAREIL D'ENCRAGE DE PRESSE D'IMPRESSION, PRESSE D'IMPRESSION COMPRENANT CELUI-CI ET PROCEDE DE PRODUCTION DE ROULEAU VIBRATEUR**
[72] BOOTH, BRADLEY, AU
[71] KBA-NOTASYS SA, CH
[85] 2017-02-14
[86] 2015-09-15 (PCT/IB2015/057093)
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[51] **Int.Cl. H01L 31/0224 (2006.01) H01L 31/05 (2014.01)**
[25] EN
[54] **SOLAR CELL WITH SPECIFIC FRONT SURFACE ELECTRODE DESIGN**
[54] **CELLULE SOLAIRE A CONCEPTION SPECIFIQUE D'ELECTRODES DE SURFACE AVANT**
[72] ROSTAN, PHILIPP JOHANNES, DE
[72] WADE, ROBERT, DE
[71] REC SOLAR PTE. LTD., SG
[85] 2017-02-15
[86] 2015-09-28 (PCT/IB2015/001718)
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[30] GB (1417240.7) 2014-09-29

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[25] EN
[54] **CASING FOR FOOD PRODUCTS**
[54] **BOYAU POUR PRODUITS ALIMENTAIRES**
[72] DU PREEZ, JOHANNES CHRISTIAAN, ZA
[72] VAN ZYL, ANDRIES WYNAND, ZA
[72] SCHULTZ, HERMANN AUGUST, ZA
[71] FREDDY HIRSCH GROUP (PTY) LTD., ZA
[85] 2017-02-16
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[30] ZA (2014/06178) 2014-08-22

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[51] **Int.Cl. G06F 1/04 (2006.01) G06F 1/32 (2006.01) H03K 3/012 (2006.01)**
[25] EN
[54] **CONFIGURABLE LAST LEVEL CLOCK DRIVER FOR IMPROVED ENERGY EFFICIENCY OF A RESONANT CLOCK**
[54] **CIRCUIT DE COMMANDE D'HORLOGE CONFIGURABLE DE DERNIER NIVEAU POUR AMELIORER LE RENDEMENT ENERGETIQUE D'UNE HORLOGE RESONANTE**
[72] ATALLAH, FRANCOIS IBRAHIM, US
[72] HANSQUINE, DAVID JOSEPH WINSTON, US
[72] TAX, RICHARD DUANE, US
[72] TAYLOR, ROBERT SIMPSON, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-02-16
[86] 2015-09-16 (PCT/US2015/050422)
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[30] US (14/499,152) 2014-09-27

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[25] EN
[54] **PLANTS WITH REDUCED ETHYLENE SENSITIVITY**
[54] **PLANTES A SENSIBILITE REDUITE A L'ETHYLENE**
[72] MULLER, RENATE PETRA BRIGITTE, SE
[72] LUTKEN, HENRIK VIK, DK
[72] HEGELUND, JOSEFINE NYMARK, DK
[72] JENSEN, LINE, DK
[72] OLSEN, ANDREAS, DK
[72] MADSEN, CHRISTIAN HALD, DK
[71] KOBENHAVNS UNIVERSITET, DK
[71] GARTNERIET PKM A/S, DK
[85] 2017-02-15
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[30] DK (PA 2014 70509) 2014-08-26
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[25] EN
[54] **DETECTION OF ANOMALIES IN RAIL WHEELSETS**
[54] **DETECTION D'ANOMALIES DANS DES ESSIEUX FERROVIAIRES**
[72] KELLEY, JOHN, GB
[71] OPTASENSE HOLDINGS LIMITED, GB
[85] 2017-02-17
[86] 2015-08-14 (PCT/GB2015/052373)
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[25] EN
[54] **ESSENTIAL AMINO ACIDS PROVIDED BY BACILLUS IN LIQUID FEED**
[54] **ACIDES AMINES ESSENTIELS FOURNIS PAR BACILLUS DANS UNE CHARGE LIQUIDE**
[72] NIELSEN, BEATRICE, DK
[72] CANTOR, METTE DINES, DK
[72] DERKX, PATRICK, DK
[72] POULSEN, HANNE DAMGAARD, DK
[72] JENSEN, BENT BORG, DK
[72] NOERGAARD, JAN VAERUM, DK
[72] CANIBE, NURIA, DK
[72] BLAABJERG, KAROLINE, DK
[71] CHR. HANSEN A/S, DK
[85] 2017-02-17
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[25] EN
[54] **HYPERSENSITIVE ABA RECEPTORS**
[54] **RECEPTEURS DE L'ABA HYPERSENSIBLES**
[72] CUTLER, SEAN, US
[72] NUCCIO, MICHAEL L., CH
[72] QUE, QUIDENG, CH
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-02-20
[86] 2015-08-26 (PCT/US2015/047020)
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[25] EN
[54] **METHOD AND DEVICE FOR CLEANING FIBER SUSPENSIONS BY MEANS OF FLOTATION**
[54] **PROCEDE ET DISPOSITIF POUR EPURER DES SUSPENSIONS DE MATIERES FIBREUSES PAR FLOTTATION**
[72] MENNE, RALF, DE
[72] RITTER, ANDREAS, DE
[72] MAMAT, OLIVER, DE
[71] RITHCO PAPERTEC GMBH, DE
[85] 2017-02-21
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[25] EN
[54] **METHOD FOR PRODUCING ADULT LIVER PROGENITOR CELLS**
[54] **PROCEDE DE PRODUCTION DE CELLULES PROGENITRICES DE FOIE ADULTE**
[72] SOKAL, ETIENNE, BE
[72] SNYKERS, SARAH, BE
[72] BARAN, TUBA, BE
[72] GELLYNCK, KRIS, BE
[72] FALCIOLA, LUCA, BE
[71] PROMETHERA BIOSCIENCES S.A./N.V., BE
[85] 2017-02-21
[86] 2015-08-28 (PCT/EP2015/069786)
[87] (WO2016/030525)
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[51] **Int.Cl. A63J 5/02 (2006.01) A63H 27/00 (2006.01) A63H 30/04 (2006.01)**
[25] EN
[54] **SPECIAL EFFECTS TECHNIQUES**
[54] **TECHNIQUES D'EFFETS SPECIAUX**
[72] CORTELYOU, ROBERT J., US
[72] ZIELKOWSKI, AMANDA, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2017-02-23
[86] 2015-08-26 (PCT/US2015/046999)
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[30] US (62/042,106) 2014-08-26
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[25] EN
[54] **AUTOMATIC GRADING SYSTEM FOR LIVING AQUATIC ORGANISMS**
[54] **SYSTEME DE CLASSEMENT AUTOMATIQUE POUR DES ORGANISMES AQUATIQUES VIVANTS**
[72] HAKONARSON, SVERRIR, IS
[72] HILMARSSON, GUNNAR SIGVALDI, IS
[72] HARALDSSON, ALBERT INGI, IS
[72] KRISTJANSSON, HERMANN, IS
[71] VAKI FISKELDISKERFI HF, IS
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[86] 2015-08-27 (PCT/IS2015/050015)
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[30] IS (9053) 2014-08-27

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[51] **Int.Cl. A01K 1/01 (2006.01)**
[25] EN
[54] **DEVICE FOR THE MAINTENANCE OF FLOOR COVER MATERIAL PRESENT ON AN ANIMAL-SHED FLOOR**
[54] **DISPOSITIF D'ENTRETIEN DE MATERIAU DE COUVERTURE DE SOL PRESENT SUR UN SOL D'ABRI POUR LES ANIMAUX**
[72] FRANSEN, RENATUS IGNATIUS JOSEPHUS, NL
[72] VAN DEN BERG, KAREL, NL
[72] REGELINK, FRANK GERARD, NL
[71] LELY PATENT N.V., NL
[85] 2017-02-24
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[51] **Int.Cl. B60L 11/08 (2006.01) B60L 1/00 (2006.01) B60L 15/20 (2006.01)**
[25] EN
[54] **ELECTRIC DRIVE SYSTEM FOR MINING HAUL TRUCK**
[54] **SYSTEME D'ENTRAINEMENT ELECTRIQUE POUR CAMION DE ROULAGE DE MINE**
[72] RICHEY, KIMBERLY, US
[72] WANG, XIAOBIN, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2017-02-24
[86] 2015-08-13 (PCT/US2015/044960)
[87] (WO2016/032757)
[30] US (14/473,075) 2014-08-29

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[25] EN
[54] **POLYTHIOETHER SEALANTS WITH ENHANCED THERMAL RESISTANCE**
[54] **PRODUITS D'ETANCHEITE A BASE DE POLYTHIOETHER DOTES D'UNE RESISTANCE THERMIQUE AMELIOREE**
[72] CAI, JUEXIAO, US
[72] SERRANO, EMILIA, US
[72] VIRNELSON, BRUCE, US
[72] LIN, RENHE, US
[71] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2017-02-24
[86] 2015-08-28 (PCT/US2015/047402)
[87] (WO2016/033441)
[30] US (14/472,428) 2014-08-29

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[51] **Int.Cl. B23K 9/095 (2006.01) A61F 9/06 (2006.01) B23K 9/10 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **WELDING-TYPE SYSEMS AND A METHOD WITH A HELMET AND A REMOTE POWER SUPPL Y PARAMETER ADJUSTMENT**
[54] **SYSTEMES DU TYPE A SOUDAGE ET PROCEDE COMPRENANT UN CASQUE ET UN REGLAGE DE PARAMETRES D'ALIMENTATION A DISTANCE**
[72] DENIS, MARC LEE, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2017-02-24
[86] 2015-07-24 (PCT/US2015/042034)
[87] (WO2016/060724)
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[51] **Int.Cl. F24F 13/30 (2006.01) F24D 17/02 (2006.01) F24D 19/10 (2006.01) F24F 12/00 (2006.01) F24H 4/02 (2006.01) F25B 6/02 (2006.01) F25B 45/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR HYBRID WATER HEATING AND AIR COOLING AND CONTROL THEREOF**
[54] **APPAREIL ET PROCEDE DE CHAUFFAGE D'EAU ET DE REFROIDISSEMENT D'AIR HYBRIDES ET COMMANDE**
[72] LOWRIMORE, WALTER R., US
[72] LONG, ROBERT L., US
[72] WINTERS, SCOTT D., US
[72] FOSTER, RANDY W., US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2017-02-24
[86] 2015-09-01 (PCT/US2015/047860)
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[51] **Int.Cl. F24F 13/30 (2006.01) F24D 17/02 (2006.01) F24D 19/10 (2006.01) F24F 12/00 (2006.01) F24H 4/02 (2006.01) F25B 6/02 (2006.01) F25B 45/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR HYBRID WATER HEATING AND AIR COOLING AND CONTROL THEREOF**
[54] **APPAREIL ET PROCEDE POUR LE CHAUFFAGE D'EAU ET LE REFROIDISSEMENT D'AIR HYBRIDES ET LEUR COMMANDE**
[72] LOWRIMORE, WALTER R., US
[72] LONG, ROBERT L., US
[72] WINTERS, SCOTT D., US
[72] FOSTER, RANDY W., US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2017-02-24
[86] 2015-09-01 (PCT/US2015/047862)
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[30] US (62/044,931) 2014-09-02
[30] US (14/476,665) 2014-09-03

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[51] **Int.Cl. F04F 13/00 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR PUMP PROTECTION WITH A HYDRAULIC ENERGY TRANSFER SYSTEM**
[54] **SYSTEMES ET PROCEDE DE PROTECTION DE POMPE COMPRENANT UN SYSTEME DE TRANSFERT D'ENERGIE HYDRAULIQUE**
[72] GAINS-GERMAIN, ANDREA MARY, US
[72] MARTIN, JEREMY GRANT, US
[72] GHASRIPOOR, FARSHAD, US
[71] ENERGY RECOVERY, INC., US
[85] 2017-02-24
[86] 2015-08-28 (PCT/US2015/047504)
[87] (WO2016/033508)
[30] US (62/044,095) 2014-08-29
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[51] **Int.Cl. A61M 39/20 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **VENTED CONNECTOR FOR MEDICAL FLUID VESSELS**
[54] **CONNECTEUR AERE POUR RECIPIENTS DE FLUIDE MEDICAL**
[72] INGRAM, AARON M., US
[72] DAVIS, BENJAMIN MARTIN, US
[72] COSTELLO, MARK M., IE
[72] DOHERTY, TONY, IE
[72] BURKE, JOHN, IE
[71] NEOMED, INC., US
[85] 2017-02-24
[86] 2015-09-03 (PCT/US2015/048382)
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[30] US (62/047,389) 2014-09-08
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[51] **Int.Cl. C22C 21/14 (2006.01) B22D 7/00 (2006.01) B22D 15/00 (2006.01) C22F 1/057 (2006.01)**
[25] EN
[54] **ALLOYS FOR HIGHLY SHAPED ALUMINUM PRODUCTS AND METHODS OF MAKING THE SAME**
[54] **ALLIAGES POUR DES PRODUITS EN ALUMINIUM TRES FACONNES ET LEURS PROCEDES DE FABRICATION**
[72] GO, JOHNSON, US
[72] KANG, DAEHOON, US
[72] HAMERTON, RICHARD, US
[71] NOVELIS INC., US
[85] 2017-02-24
[86] 2015-09-10 (PCT/US2015/049321)
[87] (WO2016/040562)
[30] US (62/049,445) 2014-09-12

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[51] **Int.Cl. C11D 1/83 (2006.01) C11D 3/30 (2006.01) C11D 3/37 (2006.01)**
[25] EN
[54] **FABRIC CARE COMPOSITIONS CONTAINING A POLYETHERAMINE**
[54] **COMPOSITIONS D'ENTRETIEN DE TISSUS CONTENANT UNE POLYETHERAMINE**
[72] FOSSUM, RENAE DIANNA, US
[72] HULSKOTTER, FRANK, DE
[72] VETTER, NICHOLAS DAVID, US
[72] SCIALLA, STEFANO, IT
[72] LOUGHNANE, BRIAN JOSEPH, US
[72] WAUN, AMY EICHSTADT, US
[72] EBERT, SOPHIA ROSA, DE
[72] LUDOLPH, BJOERN, DE
[72] WIGBERS, CHRISTOF, DE
[72] MAAS, STEFFEN, DE
[72] AGUILERA-MERCADO, BERNARDO M., US
[72] BARRERA, CAROLA, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-02-24
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[51] **Int.Cl. F04C 28/18 (2006.01) F04C 2/107 (2006.01)**
[25] EN
[54] **ECCENTRIC SCREW PUMP**
[54] **POMPE A VIS SANS FIN EXCENTRIQUE**
[72] STUMPF, OLIVER, DE
[72] DICKS, NORMAN, DE
[72] HARKING, JULIAN, DE
[71] SEEPEX GMBH, DE
[85] 2017-02-27
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[30] DE (10 2014 112 552.5) 2014-09-01

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[51] **Int.Cl. E06B 3/67 (2006.01) E06B 3/663 (2006.01)**
[25] EN
[54] **INSULATING GLASS AND METHOD FOR MANUFACTURING THE SAME**
[54] **VITRAGE ISOLANT ET SON PROCEDE DE FABRICATION**
[72] DOBROVOLNY, JIRI, CZ
[71] DOBROVOLNY, JIRI, CZ
[85] 2017-02-27
[86] 2015-08-31 (PCT/CZ2015/000100)
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[30] CZ (PV 2014-587) 2014-08-29

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[51] **Int.Cl. C04B 35/10 (2006.01)**
[25] EN
[54] **REFRACTORY PRODUCT, BATCH FOR PRODUCING THE PRODUCT, METHOD FOR PRODUCING THE PRODUCT, AND USE OF THE PRODUCT**
[54] **PRODUIT REFRACTAIRE, LOT DE PRODUCTION DU PRODUIT, METHODE DE PRODUCTION DU PRODUIT ET UTILISATION DU PRODUIT**
[72] DJURICIC, BORO, AT
[72] FREIBERGER, NORBERT, AT
[72] MUHLHAUSSER, JURGEN, AT
[72] BAUER, CHRISTOPH, AT
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2017-02-27
[86] 2015-09-08 (PCT/EP2015/070445)
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[30] EP (14195950.2) 2014-12-02

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[51] **Int.Cl. C08L 23/08 (2006.01) H01L 31/048 (2014.01)**
[25] EN
[54] **POLYMER COMPOSITION FOR A LAYER OF A LAYER ELEMENT**
[54] **COMPOSITION POLYMERE DESTINEE A UNE COUCHE D'UN ELEMENT MULTICOUCHE**
[72] COSTA, FRANCIS, AT
[72] BERGQVIST, MATTIAS, SE
[72] HELLSTROM, STEFAN, SE
[72] BROEDERS, BERT, BE
[72] GALGALI, GIRISH SURESH, AT
[72] SULTAN, BERNT-AKE, SE
[72] PIEL, TANJA, AT
[72] VERHEULE, BART, BE
[72] ODERKERK, JEROEN, SE
[71] BOREALIS AG, AT
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[51] **Int.Cl. F16C 33/60 (2006.01) F16C 21/00 (2006.01) F16C 17/02 (2006.01) F16C 19/10 (2006.01)**
[25] EN
[54] **BEARING ARRANGEMENT FOR A DEEP DRILLING DEVICE**
[54] **ENSEMBLE DE ROULEMENT POUR UN DISPOSITIF DE SONDAGE ET DE FORAGE**
[72] SCHARTING, STEFAN, DE
[71] SCHAEFFLER TECHNOLOGIES AG & CO. KG, DE
[85] 2017-02-24
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[30] DE (10 2014 220 792.4) 2014-10-14

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[51] **Int.Cl. B32B 15/20 (2006.01) E05D 3/02 (2006.01) F16C 33/20 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT BUSHING**
[54] **MANCHON RESISTANT A LA CORROSION**
[72] NEUMARK, RALF, DE
[72] JAEGER, HANS-JUERGEN, DE
[72] ANSGAR, HAEGER M., DE
[71] SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH, DE
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[86] 2015-09-02 (PCT/IB2015/001925)
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[25] EN
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[54] **RACCORD DE JOINT FLEXIBLE**
[72] COLLINS, CHARLES, US
[72] NOAKES, AARON, US
[72] PINKHAM, JEROMY, US
[71] GE OIL & GAS ESP, INC., US
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[54] **PORTE D'ACCES**
[72] ROBROEK, MONIQUE ELIZABETH FRANCISCA, NL
[72] VEENEMAN, JAN PETER, NL
[71] POLYPLASTIC GROEP B.V., NL
[85] 2017-02-27
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[25] EN
[54] **METHOD AND MATERIALS FOR HYDRAULIC FRACTURING WITH DELAYED CROSSLINKING OF GELLING AGENTS**
[54] **PROCEDE ET MATERIAUX DE FRACTURATION HYDRAULIQUE AVEC RETARD DE RETICULATION DES AGENTS GELIFIANTS**
[72] DAWSON, JEFFREY C., US
[72] CHEN, XIYUAN, US
[71] INDEPENDENCE OILFIELD CHEMICALS, LLC, US
[85] 2017-02-27
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[54] **SOLUTIONS A FIBRE OPTIQUE POUR LA MIGRATION ENTRE DES SOLUTIONS MULTIFIBRES EN DUPLEX ET PARALLELES**
[72] GIRAUD, WILLIAM JULIUS MCPHIL, US
[72] HESSONG, DAVID JOSEPH, US
[72] RODRIGUEZ, DIANA, US
[72] RHONEY, BRIAN KEITH, US
[71] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2017-02-27
[86] 2015-08-31 (PCT/US2015/047664)
[87] (WO2016/033578)
[30] US (62/043,794) 2014-08-29
[30] US (62/043,797) 2014-08-29
[30] US (62/043,802) 2014-08-29
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[25] EN
[54] **FIBER OPTIC SOLUTIONS FOR MIGRATION BETWEEN DUPLEX AND PARALLEL MULTI-FIBER SOLUTIONS**
[54] **SOLUTIONS A FIBRE OPTIQUE POUR MIGRATION ENTRE DES SOLUTIONS A FIBRES MULTIPLES EN DUPLEX ET EN PARALLELE**
[72] GIRAUD, WILLIAM JULIUS MCPHIL, US
[72] HESSONG, DAVID JOSEPH, US
[72] RODRIGUEZ, DIANA, US
[72] RHONEY, BRIAN KEITH, US
[71] CORNING OPTICAL COMMUNICATIONS LLC, US
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[54] **AN ORNAMENTAL COMPONENT FOR A BRACELET AND/OR NECKLACE**
[54] **ELEMENT DECORATIF POUR BRACELET ET/OU COLLIER**
[72] GRAY, LEE ANTONY, DK
[71] PANDORA A/S, DK
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[54] **DOOR SEALING DEVICE, DOOR SEALING SYSTEM AND DOOR LEAF FOR A RAIL VEHICLE**
[54] **DISPOSITIF D'ETANCHEITE POUR PORTE, SYSTEME D'ETANCHEITE POUR PORTE ET BATTANT DE PORTE POUR VEHICULE FERROVIAIRE**
[72] HIRTENLEHNER, THOMAS, AT
[72] JETZINGER, PETER, AT
[71] KNORR-BREMSE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, AT
[85] 2017-02-28
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[54] **A DE-ICING SYSTEM FOR A WIND TURBINE BLADE**
[54] **SYSTEME DE DEGIVRAGE POUR UNE PALE D'EOLIENNE**
[72] PHILIPSEN, MORTEN, DK
[72] KORSGAARD, JOHN, DK
[72] KILLICK, DAVID, DK
[71] LM WP PATENT HOLDING A/S, DK
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[25] EN
[54] **SCAFFOLD FOR SUPPORTING A WORKING PLATFORM FOR BRIDGES**
[54] **ECHAFAUDAGE DE SUPPORT DE PLATE-FORME DE TRAVAIL POUR DES PONTS**
[72] HYVONEN, ANTTI, FI
[72] SILTALA, TIMO, FI
[71] FAST BEAM OY, FI
[85] 2017-02-28
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[25] EN
[54] **STABLE ANTI-IL-4R-ALPHA ANTIBODY FORMULATION**
[54] **FORMULATION STABLE D'ANTICORPS ANTI-IL-4R-ALPHA**
[72] ERIKSSON, PER-OLOF, SE
[72] VON WACHENFELDT, KARIN, SE
[72] COHEN, SUZANNE, GB
[72] DOBSON, CLAIRE, GB
[72] LANE, DEBORAH, GB
[72] DAY, KATRINA, GB
[71] MEDIMMUNE LIMITED, GB
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[54] **A DEVICE AND METHOD FOR FEEDING POUCHES TO A CAROUSEL**
[54] **DISPOSITIF ET PROCEDE DE FOURNITURE DE SACHETS A UN CARROUSEL**
[72] BIANCHI, PAOLO, IT
[72] FURLOTTI, FILIPPO, IT
[71] FILLSHAPE S.R.L., IT
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[54] **JOINT COMPOUND TOOL**
[54] **OUTIL POUR COMPOSE DE JOINT**
[72] BERNICKE-GRUSSING, NANCY L., US
[72] SHELDON, JOSHUA, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2017-02-28
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[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING SAMPLING PLAN FOR INSPECTION OF COMPOSITE COMPONENTS**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE PLAN D'ECHANTILLONNAGE POUR L'INSPECTION DE COMPOSANTS COMPOSITES**
[72] GALARNEAU, YAN, CA
[71] BOMBARDIER INC., CA
[85] 2017-02-28
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[25] EN
[54] **TOPICAL DICLOFENAC SODIUM COMPOSITIONS**
[54] **COMPOSITIONS DE DICLOFENAC SODIQUE A USAGE TOPIQUE**
[72] JOHNSON, GREGORY, US
[72] WOODWARD, ERIC, US
[71] NOVARTIS CONSUMER HEALTH S.A., CH
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[51] **Int.Cl. B41F 11/02 (2006.01) B41M 3/14 (2006.01)**
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[54] **COMBINED PRINTING PRESS**
[54] **PRESSE D'IMPRESSION COMBINEE**
[72] SCHAEDE, JOHANNES, GEORG, DE
[71] KBA-NOTASYS SA, CH
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[25] EN
[54] **FIBER OPTIC SOLUTIONS FOR MIGRATION BETWEEN DUPLEX AND PARALLEL MULTI-FIBER SOLUTIONS**
[54] **SOLUTIONS A FIBRE OPTIQUE POUR MIGRATION ENTRE DES SOLUTIONS A FIBRES MULTIPLES EN DUPLEX ET EN PARALLELE**
[72] GIRAUD, WILLIAM JULIUS MCPHIL, US
[72] HESSONG, DAVID JOSEPH, US
[72] RODRIGUEZ, DIANA, US
[72] RHONEY, BRIAN KEITH, US
[71] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2017-02-28
[86] 2015-08-31 (PCT/US2015/047665)
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[30] US (62/043,794) 2014-08-29
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[25] EN
[54] **THERAPEUTIC NANOPARTICLES AND RELATED COMPOSITIONS, METHODS, AND SYSTEMS**
[54] **NANOPARTICULES THERAPEUTIQUES ET COMPOSITIONS, PROCEDES ET SYSTEMES ASSOCIES**
[72] UNGER, GRETCHEN M., US
[71] GENESEGUES, INC., US
[85] 2017-02-28
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[87] (WO2016/036960)
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[25] EN
[54] **HOT WATER DELIVERY**
[54] **SYSTEME DISTRIBUTEUR D'EAU CHAUDE**
[72] ADELMAN, DUANE L., US
[71] UPONOR INNOVATION AB, SE
[85] 2017-02-28
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[51] **Int.Cl. C03C 15/00 (2006.01)**
[25] EN
[54] **GLASS ARTICLES AND METHODS FOR IMPROVING THE RELIABILITY OF GLASS ARTICLES**
[54] **ARTICLES EN VERRE ET PROCEDES POUR AMELIORER LA FIABILITE D'ARTICLES EN VERRE**
[72] DEMARTINO, STEVEN EDWARD, US
[72] ELLISON, ADAM JAMES, US
[72] HOFF, KYLE CHISTOPHER, US
[71] CORNING INCORPORATED, US
[85] 2017-02-28
[86] 2015-09-04 (PCT/US2015/048592)
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[30] US (62/046,208) 2014-09-05

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[25] EN
[54] **ANTI-CK8 ANTIBODIES FOR USE IN THE TREATMENT OF CANCERS**
[54] **ANTICORPS ANTI-CK8 DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE CANCERS**
[72] ALBARET, MARIE ALEXANDRA, FR
[72] DIAZ, JEAN-JACQUES, FR
[72] MERTANI, HICHEM CLAUDE, FR
[72] SAURIN, JEAN-CHRISTOPHE, FR
[72] VERMOT-DESROCHES, CLAUDINE, FR
[72] VUILLERMOZ, BORIS, FR
[71] CENTRE LEON BERARD, FR
[71] INTERNATIONAL - DRUG - DEVELOPMENT - BIOTECH, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[71] HOSPICES CIVILS DE LYON, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
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[86] 2015-08-10 (PCT/EP2015/068400)
[87] (WO2016/020553)
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[51] **Int.Cl. B25J 5/00 (2006.01) B23K 9/095 (2006.01) B23K 9/10 (2006.01) B23K 9/127 (2006.01) B23K 9/16 (2006.01) B23K 10/00 (2006.01) B23K 37/02 (2006.01)**
[25] EN
[54] **PORTABLE METAL WORKING ROBOT SYSTEM WITH COMMUNICATION CIRCUITRY; CONTROL SYSTEM FOR VIRTUALLY CONTROLLING A METAL WORKING PROCESS**
[54] **SYSTEME DE ROBOT DE TRAVAIL DE METAUX PORTABLE AYANT DES CIRCUITS DE COMMUNICATION ; SYSTEME DE COMMANDE POUR COMMANDER VIRTUELLEMENT UN PROCESSUS DE TRAVAIL DE METAUX**
[72] JONES, JERALD EDWARD, US
[72] RHOADES, VALERIE LISA, US
[72] HOLVERSON, TODD EARL, US
[72] GAFFNEY, JOHN HENRY, III, US
[72] MANN, MARK DIETRICH, US
[72] CUNEO, ADAM NATHAN, US
[71] ILLINOIS TOOL WORKS INC., US
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[51] **Int.Cl. F24J 2/54 (2006.01) H02S 20/30 (2014.01) H02S 40/22 (2014.01) F24J 2/08 (2006.01)**
[25] EN
[54] **DEVICE FOR THE UTILIZATION OF SOLAR ENERGY**
[54] **DISPOSITIF POUR L'UTILISATION DE L'ENERGIE SOLAIRE**
[72] SEHNOUTEK, JAN, CZ
[71] SEHNOUTEK, JAN, CZ
[85] 2017-03-01
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[87] (WO2016/034156)
[30] CZ (PV 2014-603) 2014-09-03

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[51] **Int.Cl. G05B 19/42 (2006.01) A47J 44/00 (2006.01) B25J 9/16 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **ROBOTIC MANIPULATION METHODS AND SYSTEMS FOR EXECUTING A DOMAIN-SPECIFIC APPLICATION IN AN INSTRUMENTED ENVIRONMENT WITH ELECTRONIC MINIMANIPULATION LIBRARIES**
[54] **PROCEDES ET SYSTEMES DE MANIPULATION ROBOTIQUE POUR EXECUTER UNE APPLICATION SPECIFIQUE A UN DOMAINE DANS UN ENVIRONNEMENT INSTRUMENTE AVEC BIBLIOTHEQUES DE MINI-MANIPULATION ELECTRONIQUE**
[72] OLEYNIK, MARK, MC
[71] MBL LIMITED, GB
[85] 2017-03-01
[86] 2015-08-19 (PCT/EP2015/001704)
[87] (WO2016/034269)
[30] US (62/044,677) 2014-09-02
[30] US (62/055,799) 2014-09-26
[30] US (62/073,846) 2014-10-31
[30] US (62/083,195) 2014-11-22
[30] US (62/090,310) 2014-12-10
[30] US (62/104,680) 2015-01-16
[30] US (62/109,051) 2015-01-28
[30] US (62/113,516) 2015-02-08
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[30] IB (PCT/IB2015/000379) 2015-02-20
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[13] A1
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[25] EN
[54] **ANTI-HER3 ANTIBODIES AND USES OF SAME**
[54] **ANTICORPS ANTI-HER3 ET LEURS UTILISATIONS**
[72] YARDEN, YOSEF, IL
[72] GABORIT, NADEGE, IL
[72] LINDZEN, MOSHIT, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2017-03-01
[86] 2015-09-08 (PCT/IL2015/050915)
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[30] US (62/047,168) 2014-09-08

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[13] A1
[51] **Int.Cl. A61B 17/32 (2006.01) A61M 1/00 (2006.01) A61N 7/00 (2006.01)**
[25] EN
[54] **SUBCUTANEOUS WOUND DEBRIDEMENT**
[54] **DEBRIDEMENT DE PLAIES SOUS-CUTANEES**
[72] GILL, JAGJIT SINGH, US
[72] FREED, LEWIS HILLEL, US
[72] MORREY, BERNARD FRANCIS, US
[71] TENEX HEALTH, INC., US
[85] 2017-03-01
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[87] (WO2016/036810)
[30] US (14/475,129) 2014-09-02

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[51] **Int.Cl. A01N 63/04 (2006.01) A01C 1/06 (2006.01) A01C 1/08 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) A01H 17/00 (2006.01) A01P 21/00 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **A METHOD FOR IMPROVING THE MEAN DRY SHOOT WEIGHT, MEAN DRY GRAIN WEIGHT, AND SUPPRESSING SEED-BORNE INFECTION IN A CEREAL CROP**
[54] **PROCEDE PERMETTANT D'AMELIORER LE POIDS SEC MOYEN DES POUSSES, LE POIDS SEC MOYEN DU GRAIN ET DE LUTTER CONTRE LES INFECTIONS PORTEES PAR LES SEMENCES DANS LA CULTURE DES CEREALES**
[72] MURPHY, BRIAN, IE
[72] HODKINSON, TREVOR, IE
[72] DOOHAN, FIONA, IE
[71] THE PROVOST, FELLOWS, FDN SCHOLARS, & THE OTHER MEMBERS OF BOARD, OF THE COLLEGE OF THE HOLY & UNDIV, IE
[71] UNIVERSITY COLLEGE DUBLIN NATIONAL UNIVERSITY OF IRELAND, DUBLIN, IE
[85] 2017-02-27
[86] 2015-08-29 (PCT/EP2015/069809)
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[30] EP (14182893.9) 2014-08-29

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[51] **Int.Cl. C08J 3/12 (2006.01) C08L 91/06 (2006.01)**
[25] EN
[54] **POWDERS FROM WAX-BASED COLLOIDAL DISPERSIONS AND THEIR PROCESS OF MAKING**
[54] **POUDRES OBTENUES A PARTIR DE DISPERSIONS COLLOIDALES A BASE DE CIRE ET LEUR PROCEDE DE FABRICATION**
[72] AYAMBEN, AMBA, US
[71] HENRY COMPANY, LLC, US
[85] 2017-03-01
[86] 2015-09-24 (PCT/US2015/051829)
[87] (WO2016/049257)
[30] US (62/056,087) 2014-09-26

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[51] **Int.Cl. F16J 15/06 (2006.01) F16J 15/08 (2006.01)**
[25] EN
[54] **GASKET HAVING UPPER AND LOWER ACTIVE LAYERS AND A SPACER LAYER**
[54] **JOINT D'ETANCHEITE A COUCHES ACTIVES SUPERIEURES ET INFERIEURES ET A COUCHE D'ESPACEMENT**
[72] PLUNKETT, THOMAS P., US
[72] OXENKNECHT, ERNEST A., US
[72] KESTLY, MICHAEL J., US
[71] DANA AUTOMOTIVE SYSTEMS GROUP, LLC, US
[85] 2017-03-01
[86] 2015-09-01 (PCT/US2015/047849)
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[30] US (62/045,905) 2014-09-04

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[51] **Int.Cl. B23C 5/10 (2006.01)**
[25] EN
[54] **END MILL WITH CONVEX RADIAL RELIEF SURFACE AND CORNER HAVING CIRCULAR ARC PROFILE**
[54] **FRAISE A QUEUE AVEC SURFACE EN RELIEF RADIALE CONVEXE A PROFIL EN ARC DE CERCLE ET D'ANGLE**
[72] SHPIGELMAN, LEONID, IL
[71] ISCAR LTD., IL
[85] 2017-03-02
[86] 2015-08-09 (PCT/IL2015/050810)
[87] (WO2016/042542)
[30] US (14/486,118) 2014-09-15

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[13] A1
[51] **Int.Cl. B23C 5/06 (2006.01) B23C 5/20 (2006.01)**
[25] EN
[54] **ROTARY CUTTING TOOL AND REVERSIBLE CUTTING INSERT HAVING VARIABLE-WIDTH MINOR RELIEF SURFACES THEREFOR**
[54] **OUTIL DE COUPE ROTATIF ET PLAQUETTE DE COUPE REVERSIBLE AYANT DES SURFACES DE DEPOUILLE SECONDAIRES A LARGEUR VARIABLE ASSOCIEE**
[72] BALLAS, ASSAF, IL
[71] ISCAR LTD., IL
[85] 2017-03-02
[86] 2015-08-11 (PCT/IL2015/050818)
[87] (WO2016/046811)
[30] US (14/492,761) 2014-09-22

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[51] **Int.Cl. C07H 17/04 (2006.01) A23L 33/10 (2016.01) A23L 33/125 (2016.01) A61K 31/7048 (2006.01) A61K 36/80 (2006.01) C12P 19/60 (2006.01)**
[25] EN
[54] **A NOVEL COMPOUND (KS 513) ISOLATED FROM PSEUDOLYSIMACHION ROTUNDUM VAR. SUBINTEGRUM, THE COMPOSITION COMPRISING THE SAME AS AN ACTIVE INGREDIENT FOR PREVENTING OR TREATING ALLERGY DISEASE, INFLAMMATORY DISEASE, ASTHMA OR CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND THE USE THEREOF**
[54] **NOUVEAU COMPOSE (KS 513) ISOLE DE PSEUDOLYSIMACHION ROTUNDUM VAR. SUBINTEGRUM, LA COMPOSITION LE COMPRENANT COMME INGREDIENT ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE L'ALLERGIE, D'UNE MALADIE INFLAMMATOIRE, DE L'ASTHME OU D'UNE MALADIE PULMONAIRE OBSTRUCTIVE CHRONIQUE ET SON UTILISATION**
[72] LEE, YONGNAM, KR
[72] YOO, JI-SEOK, KR
[72] SHIN, DAE-HEE, KR
[72] RYOO, BYUNG-HWAN, KR
[72] OH, SEI-RYANG, KR
[72] AHN, KYUNG-SEOP, KR
[72] LEE, HYEONGKYU, KR
[72] LEE, SU UI, KR
[72] SONG, HYUK-HWAN, KR
[72] RYU, HYUNG WON, KR
[71] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY, KR
[71] YUNGJIN PHARMACEUTICAL CO., LTD., KR
[85] 2017-01-05
[86] 2016-06-15 (PCT/KR2016/006318)
[87] (WO2016/204493)
[30] KR (10-2015-0085752) 2015-06-17

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[25] EN
[54] **SEMI-SOLID CHEWABLE DOSAGE FORM FOR OVER-THE-COUNTER MEDICATIONS AND METHOD FOR PRODUCING SAME**
[54] **FORME GALENIQUE A MACHER SEMI-SOLIDE POUR MEDICAMENTS EN VENTE LIBRE ET PROCEDES POUR LA PRODUIRE**
[72] WESTHUSING, MICHAEL T., US
[72] BAI, YONG, US
[72] MEDRI, MARIO W., US
[71] SANTA CRUZ PHARMACEUTICALS, INC., US
[85] 2017-03-02
[86] 2015-09-08 (PCT/US2015/049000)
[87] (WO2016/037189)
[30] US (62/046,712) 2014-09-05
[30] US (62/115,618) 2015-02-12
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[51] **Int.Cl. B26D 1/60 (2006.01) B26D 3/16 (2006.01) B26D 5/08 (2006.01) B31C 3/00 (2006.01) B31C 11/00 (2006.01)**
[25] EN
[54] **MACHINE FOR PRODUCING TUBES BY WINDING STRIP MATERIAL AROUND A FORMING MANDREL**
[54] **MACHINE POUR PRODUIRE DES TUBES PAR ENROULEMENT DE MATERIAU EN BANDE AUTOUR D'UN MANDRIN DE FORMATION**
[72] DETTORI, DANIELE, IT
[72] BERTOLI BARSOTTI, GIOVANNI, IT
[72] PARDINI, GIONATA, IT
[71] UNIVERSAL TISSUE TECHNOLOGY S.R.L., IT
[85] 2017-03-01
[86] 2015-07-28 (PCT/EP2015/067249)
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[30] IT (BO2014A000476) 2014-0[illegible]-02

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[51] **Int.Cl. F21V 5/04 (2006.01) F03D 80/10 (2016.01) F21K 9/00 (2016.01) F21S 8/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **AVIATION BEACON DEVICE FOR A WIND TURBINE**
[54] **DISPOSITIF DE BALISAGE AERIEN POUR EOLIENNE**
[72] SCHULTZ, OLAF, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2017-02-28
[86] 2015-09-16 (PCT/EP2015/071227)
[87] (WO2016/046045)
[30] DE (10 2014 219 212.9) 2014-09-23
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[54] **RAZOR ASSEMBLY**
[54] **ENSEMBLE RASOIR**
[72] BAMUNDAGA, NELSON, US
[71] LFNB, LLC, US
[85] 2017-03-01
[86] 2015-09-23 (PCT/US2015/051733)
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[51] **Int.Cl. B25J 21/02 (2006.01) B64F 5/40 (2017.01)**
[25] FR
[54] **POD REPAIR UNIT**
[54] **UNITE DE REPARATION POUR NACELLE**
[72] BIHANNIC, DIDIER, FR
[71] THALES, FR
[85] 2017-03-01
[86] 2015-09-08 (PCT/EP2015/070500)
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[25] EN
[54] **LOW STRAIN HIGH DUCTILITY ALLOY**
[54] **ALLIAGE A FAIBLE DEFORMATION ET HAUTE DUCTILITE**
[72] FLAHAUT, DOMINIQUE, GB
[71] PARALLOY LIMITED, GB
[85] 2017-03-01
[86] 2015-08-28 (PCT/GB2015/052498)
[87] (WO2016/034865)
[30] GB (1415624.4) 2014-09-04

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[51] **Int.Cl. B21D 13/00 (2006.01) B21D 37/02 (2006.01) B44B 5/00 (2006.01)**
[25] EN
[54] **SHEET MATERIAL FORMING**
[54] **FORMAGE DE MATERIAU EN FEUILLE**
[72] CASTELLUCCI, MICHAEL, GB
[71] HADLEY INDUSTRIES OVERSEAS HOLDINGS LTD., GB
[85] 2017-03-01
[86] 2015-09-07 (PCT/GB2015/052577)
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[51] **Int.Cl. B21D 5/08 (2006.01) B21D 13/04 (2006.01) E04B 2/74 (2006.01) E04B 2/78 (2006.01) E04C 3/07 (2006.01)**
[25] EN
[54] **PROFILES**
[54] **PROFILES**
[72] CASTELLUCCI, MICHAEL, GB
[71] HADLEY INDUSTRIES OVERSEAS HOLDINGS LTD., GB
[85] 2017-03-01
[86] 2015-09-07 (PCT/GB2015/052580)
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[30] GB (1415747.3) 2014-09-05
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[51] **Int.Cl. C08C 1/02 (2006.01) C08K 5/37 (2006.01) C08L 7/02 (2006.01)**
[25] EN
[54] **OXIDATION RESISTANT NATURAL RUBBER AND A METHOD FOR ITS PRODUCTION**
[54] **CAOUTCHOUC NATUREL RESISTANT A L'OXYDATION ET UN PROCEDE POUR SA PRODUCTION**
[72] COLVIN, HOWARD A., US
[72] WALTERS, ZACHARY D., US
[71] COOPER TIRE & RUBBER COMAPNY, US
[85] 2017-03-02
[86] 2015-09-10 (PCT/US2015/049469)
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[25] FR
[54] **SYSTEM FOR REMOVING SEALING FROM A BALL JOINT**
[54] **SYSTEME DE DEMONTAGE DE L'ETANCHEITE D'UNE ROTULE**
[72] BULAT, STEPHANE, FR
[72] ALEX, ARNAUD, FR
[71] MILTON ROY EUROPE, FR
[85] 2017-02-27
[86] 2015-08-28 (PCT/EP2015/069766)
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[30] EP (14182889.7) 2014-08-29

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[51] **Int.Cl. H04Q 3/64 (2006.01) G06Q 10/06 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CASE-BASED ROUTING FOR A CONTACT CENTER**
[54] **SYSTEME ET PROCEDE DE ROUTAGE BASE SUR DES CAS POUR UN CENTRE DE CONTACT**
[72] HOLLENBERG, TODD, US
[72] KRUG, BRADLEY, US
[72] RISTOCK, HERBERT WILLI ARTUR, US
[72] TOERCK, CHARLOTTE, US
[72] KOROLEV, NIKOLAY, US
[72] ANDERSON, DAVID H., US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[85] 2017-03-02
[86] 2015-07-30 (PCT/US2015/043007)
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[30] US (14/450,190) 2014-08-01
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[25] EN
[54] **MICROMECHANICAL PIEZOELECTRIC ACTUATORS FOR IMPLEMENTING LARGE FORCES AND DEFLECTIONS**
[54] **MEMS COMPRENANT DES ACTIONNEURS PIEZOELECTRIQUES MICROMECANIQUES POUR OBTENIR DES FORCES ET DES DEFLEXIONS ELEVEES**
[72] STOPPEL, FABIAN, DE
[72] WAGNER, BERNHARD, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-03-03
[86] 2015-09-03 (PCT/EP2015/070124)
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[30] DE (10 2014 217 798.7) 2014-09-05

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[51] **Int.Cl. G10L 15/24 (2013.01) G10L 15/25 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING OUTPUT INDICATIVE OF THE CONTENT OF SPEECH OR MOUTHED SPEECH FROM MOVEMENT OF SPEECH ARTICULATORS**
[54] **PROCEDE ET APPAREIL PERMETTANT DE PRODUIRE UNE SORTIE INDIQUANT LE CONTENU D'UN DISCOURS OU D'UN DISCOURS PRONONCE, A PARTIR D'UN MOUVEMENT D'ARTICULATEURS VOCAUX**
[72] GILBERT, JAMES MICHAEL, GB
[72] CHEAH, LAM AUN, GB
[72] BAI, JIE, GB
[71] THE UNIVERSITY OF HULL, GB
[85] 2017-03-03
[86] 2015-09-15 (PCT/EP2015/071042)
[87] (WO2016/041934)
[30] GB (1416311.7) 2014-09-16

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[51] **Int.Cl. H04W 16/02 (2009.01) H04W 16/10 (2009.01)**
[25] EN
[54] **MOBILE COMMUNICATION SYSTEM**
[54] **SYSTEME DE COMMUNICATIONS MOBILES**
[72] FRANCHI, ANTONIO, GB
[72] KHAN, AMMAR, GB
[71] INMARSAT GLOBAL LIMITED, GB
[85] 2017-03-03
[86] 2015-09-14 (PCT/GB2015/052650)
[87] (WO2016/038394)
[30] GB (1416145.9) 2014-09-12

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[51] **Int.Cl. H04L 12/953 (2013.01) H04N 21/233 (2011.01) H04L 12/811 (2013.01) H04L 12/835 (2013.01)**
[25] EN
[54] **AUDIO SPLICING CONCEPT**
[54] **CONCEPT D'EPISSAGE AUDIO**
[72] THOMA, HERBERT, DE
[72] BLEIDT, ROBERT, US
[72] KRAEGELOH, STEFAN, DE
[72] NEUENDORF, MAX, DE
[72] KUNTZ, ACHIM, DE
[72] NIEDERMEIER, ANDREAS, DE
[72] KRATSCHMER, MICHAEL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-03-03
[86] 2015-09-08 (PCT/EP2015/070493)
[87] (WO2016/038034)
[30] EP (14184141.1) 2014-09-09
[30] EP (15154752.8) 2015-02-11

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **THREE-POSITION PLUNGERS, FILM COATED PLUNGERS AND RELATED SYRINGE ASSEMBLIES**
[54] **PISTONS A TROIS POSITIONS, PISTONS RECOUVERTS D'UN FILM ET ENSEMBLES SERINGUES ASSOCIES**
[72] GIRAUD, JEAN-PIERRE, US
[72] SOL, BERNARD, FR
[72] PANGBORN, ROBERT J., US
[72] ABRAMS, ROBERT S., US
[72] ROGERS, JOSEPH W., US
[72] SAGONA, PETER J., US
[72] MIMS, MICHAEL J., US
[71] SIO2 MEDICAL PRODUCTS, INC., US
[85] 2017-03-03
[86] 2015-04-06 (PCT/US2015/024558)
[87] (WO2016/039816)
[30] US (62/048,675) 2014-09-10
[30] US (62/092,944) 2014-12-17

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[51] **Int.Cl. G01M 3/26 (2006.01) H02J 50/10 (2016.01) G21F 7/04 (2006.01)**
[25] EN
[54] **TEST DISC SYSTEM**
[54] **SYSTEME DE DISQUE DE TEST**
[72] KEIL, MICHAEL, DE
[72] KEIL, CHRISTOPHER, DE
[71] KEIL, MICHAEL, DE
[85] 2017-03-03
[86] 2015-08-27 (PCT/EP2015/069690)
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[30] DE (10 2014 114 147.4) 2014-09-29

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[51] **Int.Cl. B25D 9/04 (2006.01) B25D 9/12 (2006.01) B25D 17/00 (2006.01) E21B 1/26 (2006.01) E21B 6/02 (2006.01)**
[25] FR
[54] **HYDRAULIC DRILLING APPARATUS INTENDED FOR DRILLING BLAST HOLES**
[54] **APPAREIL DE PERFORATION HYDRAULIQUE DESTINE A LA PERFORATION DE TROUS DE MINE**
[72] COMARMOND, JEAN-SYLVAIN, FR
[71] MONTABERT, FR
[85] 2017-03-03
[86] 2015-09-04 (PCT/FR2015/052349)
[87] (WO2016/042234)
[30] FR (14/58798) 2014-09-18

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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 10/00 (2006.01)**
[25] EN
[54] **BLOOD SAMPLE MANAGEMENT USING OPEN CELL FOAM**
[54] **GESTION D'ECHANTILLON DE SANG A L'AIDE DE PLASTIQUE A ALVEOLES OUVERTS**
[72] IVOSEVIC, MILAN, US
[72] WILKINSON, BRADLEY M., US
[72] NEWBY, C. MARK, US
[72] BOKKA SRINIVASA RAO, KISHORE K., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2017-03-03
[86] 2015-09-22 (PCT/US2015/051479)
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[51] **Int.Cl. A61G 7/10 (2006.01) A47K 3/12 (2006.01) A47K 17/00 (2006.01) B66F 11/00 (2006.01)**
[25] EN
[54] **BATH TUB LIFTER**
[54] **SIEGE ELEVATEUR DE BAIN**
[72] KIMMERLE, MICHAEL, DE
[72] ZIMMERLE, JURGEN, DE
[71] INVACARE INTERNATIONAL SARL, CH
[85] 2017-03-06
[86] 2015-10-09 (PCT/IB2015/057734)
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[51] **Int.Cl. F04D 19/02 (2006.01) A01G 1/12 (2006.01) F04D 25/06 (2006.01) F04D 29/38 (2006.01) F04D 29/54 (2006.01)**
[25] EN
[54] **AXIAL FAN BLOWER**
[54] **SOUFFLANTE DE VENTILATEUR AXIAL**
[72] HOFFMAN, RONALD J., US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, MO
[71] HOFFMAN, RONALD J., US
[85] 2017-03-06
[86] 2016-08-11 (PCT/US2016/046448)
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[30] US (62/174,561) 2015-06-12

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[51] **Int.Cl. F16K 3/03 (2006.01) F04C 29/12 (2006.01) F16K 31/528 (2006.01)**
[25] EN
[54] **INLET VALVE FOR A COMPRESSOR**
[54] **SOUPAPE D'ADMISSION POUR COMPRESSEUR**
[72] MOENS, WIM, BE
[72] SEGHERS, ANDREAS MATHIAS JONAS, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2017-03-08
[86] 2015-09-17 (PCT/BE2015/000044)
[87] (WO2016/041024)
[30] BE (2014/0712) 2014-09-19

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[51] **Int.Cl. A61B 90/50 (2016.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 1/05 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **END EFFECTOR FOR A POSITIONING DEVICE**
[54] **EFFECTEUR D'EXTREMITE POUR UN DISPOSITIF DE POSITIONNEMENT**
[72] BAILEY, BRENT, CA
[72] CONI, MARIANA GARCIA, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-03-08
[86] 2014-09-15 (PCT/CA2014/050874)
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[25] EN
[54] **METHODS AND APPARATUS FOR MONITORING ALERTNESS OF AN INDIVIDUAL UTILIZING A WEARABLE DEVICE AND PROVIDING NOTIFICATION**
[54] **PROCEDE ET APPAREIL POUR SURVEILLER LA VIGILANCE D'UN INDIVIDU AU MOYEN D'UN DISPOSITIF PORTABLE ET FOURNIR UNE NOTIFICATION**
[72] KAPLAN, RICHARD A., US
[72] HEMINK, DOUGLAS A., US
[72] KENYON, MATT, US
[71] TORVEC, INC., US
[85] 2017-03-08
[86] 2015-09-08 (PCT/US2015/048881)
[87] (WO2016/040281)
[30] US (62/047,893) 2014-09-09
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[51] **Int.Cl. A61M 1/00 (2006.01) A61M 5/14 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **DYNAMIC NEGATIVE-PRESSURE THERAPY WITH INSTILLATION**
[54] **THERAPIE DYNAMIQUE EN PRESSION NEGATIVE AVEC INSTILLATION**
[72] PRATT, BENJAMIN ANDREW, GB
[72] SEDDON, JAMES KILLINGWORTH, GB
[71] KCI LICENSING, INC., US
[85] 2017-03-07
[86] 2015-09-10 (PCT/US2015/049476)
[87] (WO2016/040671)
[30] US (62/048,615) 2014-09-10

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[13] A1
[51] **Int.Cl. F04C 29/04 (2006.01) F04C 29/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING AN OIL-INJECTED COMPRESSOR DEVICE**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE COMPRESSEUR A INJECTION D'HUILE**
[72] MOENS, WIM, BE
[72] SEGHERS, ANDREAS MATHIAS JONAS, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOSE VENNOOTSCHAP, BE
[85] 2017-03-08
[86] 2015-09-21 (PCT/BE2015/000046)
[87] (WO2016/041026)
[30] BE (2014/0711) 2014-09-19

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[13] A1
[51] **Int.Cl. B25J 9/18 (2006.01) A61B 34/30 (2016.01)**
[25] EN
[54] **SURGICAL SYSTEM USER INTERFACE USING COOPERATIVELY-CONTROLLED ROBOT**
[54] **INTERFACE UTILISATEUR DE SYSTEME CHIRURGICAL UTILISANT UN ROBOT COMMANDE DE FACON COOPERATIVE**
[72] BALICKI, MARCIN A., US
[72] KAZANZIDES, PETER, US
[72] DEGUET, ANTON, US
[72] TAYLOR, RUSSELL H., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2017-03-08
[86] 2015-09-24 (PCT/US2015/051907)
[87] (WO2016/049294)
[30] US (14/497,178) 2014-09-25

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[13] A1
[51] **Int.Cl. A61B 5/11 (2006.01) A61G 7/05 (2006.01)**
[25] EN
[54] **PERSON SUPPORT APPARATUSES WITH MOTION MONITORING**
[54] **APPAREILS DE SUPPORT DE PERSONNE A SURVEILLANCE DE MOUVEMENT**
[72] KOSTIC, MARKO N., US
[72] GREENBANK, JONATHAN MARK, US
[71] STRYKER CORPORATION, US
[85] 2017-03-08
[86] 2015-10-02 (PCT/US2015/053631)
[87] (WO2016/060862)
[30] US (62/065,242) 2014-10-17

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[51] **Int.Cl. A61B 5/113 (2006.01) A61B 5/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING THE TIME CURVE OF THE DEPTH OF BREATH**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE LA VARIATION TEMPORELLE DE LA PROFONDEUR RESPIRATOIRE**
[72] GARN, HEINRICH, AT
[72] KOHN, BERNHARD, AT
[72] WIESMEYR, CHRISTOPH, AT
[71] AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH, AT
[85] 2017-03-09
[86] 2015-09-09 (PCT/EP2015/070608)
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[54] **AQUEOUS BINDER DISPERSIONS INTENDED FOR CATHODIC ELECTROCOAT MATERIALS AND COMPRISING A CROSSLINKER BASED ON 2,2-DIMETHYL-1,3-DIOXOLANE-4-METHANOL-BLOCKED POLYISOCYANATES**
[54] **DISPERSIONS LIANTES AQUEUSES POUR PEINTURES ELECTROPHORETIQUES CATHODIQUES CONTENANT UN AGENT DE RETICULATION A BASE DE POLYISOCYANATES BLOQUES PAR DU 2,2-DIMETHYL-1,3-DIOXOLAN-4-METHANOL**
[72] OTT, GUNTHER, DE
[72] OBERHOFF, MARKUS, DE
[72] PRZYBILLA, SILKE, DE
[72] GROSSE BRINKHAUS, KARL-HEINZ, DE
[72] STOLL, DOMINIK, DE
[71] BASF COATINGS GMBH, DE
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[54] **HOUSING PART FOR AN AUTO-INJECTOR**
[54] **PARTIE DE BOITIER POUR UN AUTO-INJECTEUR**
[72] MCLOUGHLIN, MARTIN JOHN, GB
[72] KNIGHT, BARRY ALAN, GB
[72] EKMAN, MATT, GB
[72] NORRIS, DEBORAH JANE, GB
[71] UCB BIOPHARMA SPRL, BE
[71] BESPAK EUROPE LIMITED, GB
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[25] EN
[54] **INFANT PATIENT TRANSFER DEVICE WITH HEART RATE SENSOR**
[54] **DISPOSITIF DE TRANSFERT DE NOURRISSON AYANT UN CAPTEUR DE FREQUENCE CARDIAQUE**
[72] BELSINGER, HARRY EDWARD, JR., US
[72] FALK, STEVEN MITCHELL, US
[72] UNDERWOOD, THOMAS CHARLES, US
[72] STARR, KAREN P., US
[71] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **CONTAINER FOR A PORTABLE, RECHARGEABLE DIRECT CURRENT STORAGE DEVICE**
[54] **CONTENANT POUR DISPOSITIF ACCUMULATEUR D'ENERGIE A COURANT CONTINU RECHARGEABLE PORTATIF**
[72] CONSTIEN, HANS-PETER, DE
[71] GREENPACK GMBH, DE
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[25] FR
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[54] **ARTICLE POUR RECUEILLIR L'URINE ET LES SELLES D'UN UTILISATEUR**
[72] CAILLETEAU, BENOIT, CH
[71] M3AT SA, CH
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[25] EN
[54] **PREDICTIVE AND PROGNOSTIC BIOMARKERS RELATED TO ANTI-ANGIOGENIC THERAPY OF METASTATIC COLORECTAL CANCER**
[54] **BIOMARQUEURS DE PRONOSTIC ET PREDICTIFS ASSOCIES A UNE THERAPIE ANTI-ANGIOGENIQUE D'UN CANCER COLORECTAL METASTATIQUE**
[72] SIMS, TASHA NICHOLLE, US
[72] GAO, BO, US
[72] LOWY, ISRAEL, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **SYSTEME D'IRRIGATION ANALE**
[72] FROSTAA, ISAK, SE
[72] FALLEBOE, HANS, DK
[72] HICKMOTT, RICHARD MORGAN, DK
[72] HVID, NIELS, DK
[71] COLOPLAST A/S, DK
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[54] **DISPLACEMENT DEVICE**
[54] **DISPOSITIF DE DEPLACEMENT**
[72] GAYDOUL, JURGEN, SE
[71] HERMETIK HYDRAULIK AB, SE
[85] 2017-03-10
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[25] EN
[54] **DEVICES AND METHODS FOR DELIVERING A BENEFICIAL AGENT TO A USER**
[54] **DISPOSITIFS ET PROCEDES POUR ADMINISTRER UN AGENT BENEFIQUE A UN UTILISATEUR**
[72] HANAGAN, TED, US
[72] KLINGLER, WAYNE, US
[72] GRAZIER, THOMAS, US
[72] DHAMI, GURJINDER, US
[72] SMIEJA, SCOTT, US
[72] SCHACHERL, JEFF, US
[72] MACKEY, SEAN, US
[72] FEILEN, MEGAN, US
[72] ZHOU, JI, US
[72] CONJEEVARAM, RAJKUMAR, US
[72] GIBLER, MARTIN, US
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[54] **SMART LOGGING FOR MANAGEMENT OF HEALTH-RELATED ISSUES**
[54] **JOURNALISATION INTELLIGENTE POUR LA GESTION DE PROBLEMES ASSOCIES A LA SANTE**
[72] REYNOLDS, JEFFERY, S., US
[72] CHANG, KUEN, US
[72] SCHWARTZ, AMY, US
[72] FERBER, AARON, US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
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[25] EN
[54] **HYPOVOLEMIA/HYPERVOLEMIA DETECTION USING PERIPHERAL INTRAVENOUS WAVEFORM ANALYSIS (PIVA) AND APPLICATIONS OF SAME**
[54] **DETECTION D'HYPOVOLEMIE/D'HYPERVOLEMIE EN UTILISANT UNE ANALYSE DE FORME D'ONDE INTRAVEINEUSE PERIPHERIQUE (PIVA) ET APPLICATIONS ASSOCIEE**
[72] EAGLE, SUSAN, US
[72] BROPHY, COLLEEN, US
[72] HOCKING, KYLE, US
[72] BAUDENBACHER, FRANZ, US
[72] BOYER, RICHARD, US
[71] VANDERBILT UNIVERSITY, US
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[54] **SUBSTRUCTURE FOR INCREASING THE EARTHQUAKE RESISTANCE OF A HIGH-VOLTAGE COMPONENT**
[54] **INFRASTRUCTURE DESTINEE A AUGMENTER LA RESISTANCE D'UN COMPOSANT A HAUTE TENSION VIS-A-VIS DES TREMBLEMENTS DE TERRE**
[72] EDER, JOSEF, AT
[72] GAUN, ALEXANDER, AT
[71] COIL HOLDING GMBH, AT
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[54] **AN IMPLANTABLE ELECTRODE DEVICE AND A METHOD FOR MANUFACTURING THEREOF**
[54] **DISPOSITIF D'ELECTRODE IMPLANTABLE ET SON PROCEDE DE FABRICATION**
[72] WENDEL-MITORAJ, KATRINA, FI
[71] BRAINCARE OY, FI
[85] 2017-03-14
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[54] **PRESSURE RELIEF FOR A CATHETER BALLOON DEVICE**
[54] **LIMITEUR DE PRESSION POUR DISPOSITIF DE BALLONNET DE CATHETER**
[72] LI, WENJENG, US
[72] LITTLE, DAVID J., US
[71] MEDTRONIC XOMED, INC., US
[85] 2017-03-14
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[54] **DEVICE AND METHOD FOR REMOVING CONTAMINATED MATERIAL**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'ENLEVER DES MATERIAUX CONTAMINES**
[72] BOERSCH, FABIAN, DE
[72] FEIL, HARTMUT, DE
[72] HESS, JOSEF, DE
[72] HUSFELDT, MARTIN, DE
[72] REUSS, MARKUS, DE
[72] GROSS, RALF, DE
[72] HENTSCHEL, SEBASTIAN, DE
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[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING FRAUDULENT TRANSACTIONS USING DIGITAL WALLET DATA**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER DES TRANSACTIONS FRAUDULEUSES A L'AIDE DE DONNEES DE PORTEFEUILLE NUMERIQUE**
[72] TOMASOFSKY, CHRISTIAN P., US
[72] HUBBARD, STEVE E., GB
[72] DA SILVA, LUIS FELIPE DE ALMEIDA FERREIRA, BE
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING FRAUD INDICATOR DATA WITHIN AN AUTHENTICATION PROTOCOL**
[54] **SYSTEMES ET PROCEDES POUR LA FOURNITURE DE DONNEES D'INDICATION DE FRAUDE DANS UN PROTOCOLE D'AUTHENTIFICATION**
[72] TOMASOFSKY, CHRISTIAN P., US
[72] HUBBARD, STEVE E., GB
[72] DA SILVA, LUIS FELIPE DE ALMEIDA FERREIRA, BE
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[54] **SYSTEMS AND METHODS FOR PROVIDING RISK BASED DECISIONING SERVICE TO A MERCHANT**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR A UN COMMERCANT UN SERVICE DE PRISE DE DECISION EN FONCTION DU RISQUE**
[72] TOMASOFSKY, CHRISTIAN P., US
[72] HUBBARD, STEVE E., GB
[72] DA SILVA, LUIS FELIPE DE ALMEIDA FERREIRA, BE
[72] GERBER, JOHAN, US
[72] SALAZAR, CLARA, US
[72] HAFNER, MICHELLE, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **ENSEMBLE CIRCUIT A TRANSMON ACCORDABLE**
[72] STRAND, JOEL D., US
[72] PESETSKI, AARON A., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[25] EN
[54] **FUEL DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE CARBURANT**
[72] LIN, CHEE LIP, SG
[72] CHIN, GERALDINE, SG
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2017-03-16
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[25] EN
[54] **THREE-PORT PIEZOELECTRIC ULTRASONIC TRANSDUCER**
[54] **TRANSDUCTEUR ULTRASONORE PIEZOELECTRIQUE A TROIS ORIFICES**
[72] PANCHAWAGH, HRISHIKESH VIJAYKUMAR, US
[72] TANG, HAO-YEN, US
[72] LU, YIPENG, US
[72] DJORDJEV, KOSTADIN DIMITROV, US
[72] GANTI, SURYAPRAKASH, US
[72] BURNS, DAVID WILLIAM, US
[72] SHENOY, RAVINDRA VAMAN, US
[72] LASITER, JON BRADLEY, US
[72] KUO, NAI-KUEI, US
[72] SAMMOURA, FIRAS, US
[71] QUALCOMM INCORPORATED, US
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[54] **DEVICE FOR SIGNAL TRANSMISSION TO THE EYE**
[54] **DISPOSITIF DE TRANSMISSION DE SIGNAL A L'OEIL**
[72] GEYER, MICHAEL, AT
[72] WALLERBERGER, MARK, AT
[71] POCKET SKY OG, AT
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[54] **EFFICIENT INTERRUPTION ROUTING FOR A MULTITHREADED PROCESSOR**
[54] **ACHEMINEMENT EFFICACE D'INTERRUPTION POUR UN PROCESSEUR A MULTIPLES FILS D'EXECUTION**
[72] FARRELL, MARK, US
[72] HELLER, LISA, US
[72] KUBALA, JEFFREY PAUL, US
[72] SCHMIDT, DONALD WILLIAM, US
[72] GREINER, DAN, US
[72] SLEGEL, TIMOTHY, US
[72] BUSABA, FADI YUSUF, US
[72] OSISEK, DAMIAN, US
[72] BRADBURY, JONATHAN DAVID, US
[72] LEHNERT, FRANK, DE
[72] NERZ, BERND, DE
[72] JACOBI, CHRISTIAN, US
[72] GAINEY, CHARLES (DECEASED), US
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[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING THE LOCAL QUALITY OF SURFACE DATA EXTRACTED FROM VOLUME DATA**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE LA QUALITE LOCALE DE DONNEES DE SURFACE EXTRAITES DE DONNEES DE VOLUME**
[72] FLESSNER, MATTHIAS, DE
[72] HAUSOTTE, TINO, DE
[71] FRIEDRICH-ALEXANDER-UNIVERSITAT ERLANGEN-NURNBERG, DE
[85] 2017-03-17
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[25] EN
[54] **CONTROLLING EXECUTION OF THREADS IN A MULTI-THREADED PROCESSOR**
[54] **COMMANDE D'EXECUTION DE FILS D'EXECUTION DANS UN PROCESSEUR A FILS D'EXECUTION MULTIPLES**
[72] SLEGEL, TIMOTHY, US
[72] ALEXANDER, KHARY JASON, US
[72] BUSABA, FADI YUSUF, US
[72] FARRELL, MARK, US
[72] RELL, JOHN GILBERT, JR., US
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[25] EN
[54] **METHOD FOR ACCESSING DATA IN A MEMORY AT AN UNALIGNED ADDRESS**
[54] **PROCEDE D'ACCES A DES DONNEES DANS UNE MEMOIRE AU NIVEAU D'UNE ADRESSE NON ALIGNEE**
[72] BRADBURY, JONATHAN DAVID, US
[72] JACOBI, CHRISTIAN, US
[72] SLEGEL, TIMOTHY, US
[72] GSCHWIND, MICHAEL KARL, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[25] EN
[54] **DISPLAY VISIBILITY BASED ON EYE CONVERGENCE**
[54] **VISIBILITE D'AFFICHAGE BASEE SUR UNE CONVERGENCE OCULAIRE**
[72] LOPEZ, JAVIER SAN AGUSTIN, DK
[71] FACEBOOK, INC., US
[85] 2017-03-20
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[51] **Int.Cl. A61K 39/106 (2006.01)**
[25] EN
[54] **COMBINED ENTEROTOXIGENIC ESCHERICHIA COLI AND CAMPYLOBACTER JEJUNI RECOMBINANT CONSTRUCT**
[54] **CONSTRUCTION RECOMBINEE COMBINANT LES BACTERIES ESCHERICHIA COLI ENTEROTOXINOGENE ET CAMPYLOBACTER JEJUNI**
[72] GUERRY, PATRICIA, US
[72] SAVARINO, STEPHEN, US
[72] MONTEIRO, MARIO ARTUR, CA
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[30] US (62/054,454) 2014-09-24
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[54] **PROCEDES DE FABRICATION D'UN RESEAU MULTI-ELECTRODES POUR LA STIMULATION EPIDURALE DE LA MOELLE EPINIERE**
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[54] **DISPOSITIFS ET PROCEDES D'UTILISATION DU SPECTRE D'ENERGIE OU DE L'ASSOCIATION DE SIGNAUX POUR LA GESTION DE LA DOULEUR**
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[54] **PROCEDE POUR ALIMENTER EN ENERGIE ELECTRIQUE UN IMPLANT CONVERTISSANT DE L'ENERGIE ELECTRIQUE**
[72] SCHMID, HELMUT, DE
[72] ECKL, WILHELM, DE
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[54] **APPAREIL DE COUPE ET PROCEDE DE FONCTIONNEMENT**
[72] BRANDL, ERICH, AT
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[54] **APPAREIL DE COUPE**
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[72] HABERER, CHRISTOPH, AT
[72] SCHERZ, GEORG, AT
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[54] **PROCEDE AMELIORE POUR LA PREPARATION D'ESLICARBAZEPINE ET D'ACETATE D'ESLICARBAZEPINE**
[72] ZARAMELLA, SIMONE, IT
[72] ROSSI, EMILIANO, IT
[72] DE LUCCHI, OTTORINO, IT
[72] SERAFINI, SIRO, IT
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[71] KOWA COMPANY, LTD., JP
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[54] **INTERFACE DE MICROSTATION TERRIENNE A CABLE UNIQUE DOTEE D'UNE ARCHITECTURE DE CONVERSION UNIQUE POUR LA RECEPTION ET L'EMISSION**
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[71] HUGHES NETWORK SYSTEMS, US
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[54] **OUTILS DE FOND DE PUITS PORTANT DES REVETEMENT HYDROPHOBES ET PROCEDES DE FABRICATION DE TELS OUTILS**
[72] OVERSTREET, JAMES L., US
[72] SISTA, VIVEKANAND, US
[72] YU, BO, US
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[54] **TIGE DE POMPAGE ET RACCORD DE BOUT AVEC PREREGLAGE DE COMPRESSION**
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[72] MARTIN, DUSTIN WAYNE, US
[72] HRICISAK, KAROL, US
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[54] **TRAPPE D'ACCES POUR TOURELLE NON HABITEE DE VEHICULE BLINDE**
[72] DALGIC, OKTAY, BE
[72] HAJ AYED, RIADH, BE
[71] COCKERILL MAINTENANCE & INGENIERIE S.A., BE
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[54] **ENSEMBLE DE ROULEAUX ET ELEMENTS DE TUYAU**
[72] DOLE, DOUGLAS R., US
[71] VICTAULIC COMPANY, US
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[54] **VENTE ET ACHAT DE PRODUITS DE CONSOMMATION ASSORTIS D'INCITATIONS EN DES OCCASIONS D'ACHAT MULTIPLES PENDANT UNE PERIODE PROLONGEE**
[72] LEFFELMAN, BENJAMIN J., US
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[54] **DISPOSITIF ET PROCEDE DE DISTRIBUTION DE MEDICAMENT**
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[72] IMBERT, DELPHINE CAROLINE, US
[72] O'CONNELL, DANIEL, GB
[72] PEARSON, ALLEN, GB
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[54] **DISPOSITIF A RESSORT**
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[71] LEVITATE TECHNOLOGIES, INC., US
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[54] **FORMULATIONS DE BETA-LACTAMASE ET UTILISATIONS DE CELLES-CI**
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[72] KALEKO, MICHAEL, US
[72] CONNELLY, SHEILA, US
[71] SYNTHETIC BIOLOGICS, INC., US
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[72] HABIG, JEFFREY W., US
[72] LAYNE, JANET, US
[72] HEIN, JEFFERY W., US
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[54] **SYSTEM AND METHOD FOR FLUORESCENCE-BASED LASER ABLATION**
[54] **SYSTEME ET PROCEDE D'ABLATION LASER A BASE DE FLUORESCENCE**
[72] REPHAELI, EDEN, US
[72] WANG, CHIA-JEAN, US
[71] VERILY LIFE SCIENCES LLC, US
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[54] **CONSTRUCTION DE COLLAGENE, ET PROCEDE DE PRODUCTION DE CONSTRUCTION DE COLLAGENE**
[72] ZHENG, MING HAO, AU
[71] ORTHOCELL LIMITED, AU
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[54] **REPARATION SANS SUTURE DE TISSU MOU**
[72] ZHENG, MING HAO, AU
[71] ORTHOCELL LIMITED, AU
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[54] **SYSTEME DE GESTION DE CABLE ET COMPOSANTS ASSOCIES**
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[71] GINNOVEST PTY LTD, AU
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[54] **DISPOSITIF D'EXTRACTION ET DE CONCENTRATION**
[72] SHALLAN, ALIAA IBRAHIM GABER, EG
[72] GUIJT, ROSANNE MARIEKE, AU
[72] BREADMORE, MICHAEL CHARLES, AU
[71] UNIVERSITY OF TASMANIA, AU
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[54] **COMPOSITION ORALE D'UN COMPOSE A-NOR-5?-ANDROSTANE**
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[71] CHEN, YAJUN, CN
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[54] **METHOD AND SYSTEM FOR ADJUSTING CAMERA FOCUS TO FACILITATE INFRARED IMAGING**
[54] **PROCEDE ET SYSTEME POUR EFFECTUER LA MISE AU POINT D'UN D'APPAREIL DE PRISE DE VUES AFIN DE FACILITER L'IMAGERIE INFRAROUGE**
[72] MONKIEWICZ, CHRISTOPHER M., CA
[72] WESTELL, JAMIE, CA
[72] AFROOZE, SINA, CA
[71] AVIGILON CORPORATION, CA
[85] 2017-03-29
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[54] **A NON-EQUILIBRIUM PLASMA SYSTEM AND METHOD OF REFINING SYNGAS**
[54] **SYSTEME DE PLASMA HORS EQUILIBRE ET PROCEDE DE RAFFINAGE DE GAZ DE SYNTHESE**
[72] GOMAA, ISLAM, CA
[72] TSANGARIS, ANDREAS, CA
[72] HAY, GRAEME, CA
[71] PLASCO ENERGY GROUP INC., CA
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[54] **BLINDAGE DE BRAS D'ARAIGNEE**
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[72] LARSSON, MIKAEL M., SE
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
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[72] ZHANG, DONGYA, CN
[72] JIA, HUIJUE, CN
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[72] MORSS, RANDOLPH EUGENE, GB
[72] BRADLEY, GRANT, GB
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[72] LARSSON, MIKAEL M., SE
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[54] **CHARIOT A BRAS ARTICULE**
[72] BLANCHARD, TIM, GB
[71] HOOK UP SOLUTIONS LLP, GB
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[54] **PLATINUM-CATALYZED SILICONE DRUG DELIVERY DEVICES AND METHODS OF USE THEREOF**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS A BASE D'UNE SILICONE CATALYSEE PAR DU PLATINE, ET LEURS PROCEDES D'UTILISATION**
[72] BLANDA, WENDY, US
[72] HOLT, JONATHON DARYLL, US
[72] BRIMER, ANDREW NATHAN, US
[72] MALCOLM, KARL, GB
[72] MCCOY, CLARE, GB
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[54] **DOUILLE DE CARTOUCHE**
[72] BAXTER, JAMES EDWARD, GB
[72] STUBBS, JOSHUA MATTHEW, GB
[72] ROWE, NATHAN WILLIAM, GB
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[54] **DOUILLE DE CARTOUCHE**
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[54] **APPAREIL D'ALIMENTATION EN FLUIDE**
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[71] NEVALEAK HOLDINGS LIMITED, NZ
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[54] **CORPS FRITTE A BASE DE SIALON ET UNE PLAQUETTE DE COUPE**
[72] TOYODA, RYOJI, JP
[72] KIKKAWA, FUMIHIRO, JP
[72] KOMURA, ATSUSHI, JP
[71] NGK SPARK PLUG CO., LTD., JP
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[54] **ANCRE DE FOND DE PUITS**
[72] EGLETON, PHILIP CG, GB
[72] REID, STEPHEN, GB
[71] WEATHERFORD U.K. LIMITED, GB
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[25] EN
[54] **ODORANT FOR FUEL GASES FOR ANION MEMBRANE FUEL CELLS, FUEL GAS AND POWER GENERATION SYSTEM USING ANION MEMBRANE FUEL CELL**
[54] **SUBSTANCE ODORANTE POUR GAZ COMBUSTIBLES DE PILES A COMBUSTIBLE A MEMBRANE D'ANIONS, GAZ COMBUSTIBLE ET SYSTEME DE PRODUCTION D'ENERGIE UTILISANT UNE PILE A COMBUSTIBLE A MEMBRANE D'ANIONS**
[72] NEGISHI, TAKAYUKI, JP
[72] WATANABE, SHIN, JP
[71] TOKUYAMA CORPORATION, JP
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[54] **BOISSON GAZEUSE, SIROP A UTILISER POUR LA PREPARATION D'UNE BOISSON GAZEUSE, PROCEDE DE FABRICATION D'UNE BOISSON GAZEUSE, ET PROCEDE DE SUPPRESSION DE GENERATION DE BULLES DANS UNE BOISSON GAZEUSE**
[72] URAI, SOICHIRO, JP
[72] IZUMI, AKIKO, JP
[72] NAGAO, KOJI, JP
[71] SUNTORY BEVERAGE & FOOD LIMITED, JP
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[54] **ENTRAINEMENT ELECTRIQUE D'APPAREIL MOBILE**
[72] HUISSOON, LEENDERT WILHELMUS CORNELIS, NL
[71] HUDSON BAY HOLDING B.V., NL
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[54] **ARC SPOT WELDING METHOD AND WELDING APPARATUS FOR WORKING THE SAME**
[54] **METHODE DE SOUDAGE PAR POINT A L'ARC ET APPAREIL DE SOUDAGE DESTINE A DE TELS TRAVAUX**
[72] KODAMA, SHINJI, JP
[72] FURUSAKO, SEIJI, JP
[72] MIYAZAKI, YASUNOBU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[54] **INTERFACE FOR CONSTRUCTING TRAJECTORY IN AN ENVIRONMENT AND ENVIRONMENT ASSEMBLY AND TRAJECTORY CONSTRUCTION INTERFACE**
[54] **INTERFACE DE CONSTRUCTION DE TRAJECTOIRE DANS UN ENVIRONNEMENT ET ENSEMBLE ENVIRONNEMENT ET INTERFACE DE CONSTRUCTION DE TRAJECTOIRE**
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[71] VAILLANT, YANNICK, FR
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[54] **APPAREIL DE COUVERTURE AUTOMATIQUE POUR COMPARTIMENT FRET DE CAMION**
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[54] **ESTIMATION DE RETRAIT DE DEBLAIS DE FORAGE**
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[72] HOLM, ANDRE, NO
[71] STATOIL PETROLEUM AS, NO
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[54] **GRAVITY INFUSION IV BAG**
[54] **POCHE POUR PERFUSION PAR GRAVITE**
[72] AVERY, RAYMOND JOHN, NZ
[71] MONDIALE TECHNOLOGIES LIMITED, NZ
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[54] **APPAREIL ET PROCEDE DE CREATION DE DISPOSITION**
[72] BAYLOR, DARIN JAMES, US
[72] BURNS, CORY, US
[72] COTE, KEVIN L., US
[72] EBERLE, JOHN ROBERT, US
[72] HOELL, GREGORY WILLIAM, US
[72] HUNTOON, NATHAN R., US
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[54] **APPAREIL COMBINE DE REGARD D'EGOUT ET DE PUISARD**
[72] BOURKE, MICHAEL ALAN, NZ
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[72] BERLESE, ROBERT C., US
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[54] **CLEANING METHOD FOR JET ENGINE**
[54] **PROCEDE DE NETTOYAGE POUR MOTEUR A REACTION**
[72] SAENZ, JORGE IVAN, US
[71] AEROCORE TECHNOLOGIES LLC, US
[85] 2017-03-29
[86] 2014-10-02 (PCT/US2014/058865)
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[25] EN
[54] **WALKER-ASSIST DEVICE**
[54] **DISPOSITIF D'ASSISTANCE POUR DEAMBULATEUR**
[72] RABINOWITZ, AVRAHAM, IL
[72] RAM, YOHANA, IL
[71] MILBAT - GIVING QUALITY TO LIFE, IL
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[25] EN
[54] **FLUID LOSS ADDITIVE PACKAGE FOR SHALLOW WELL DRILLING FLUIDS**
[54] **ENSEMBLE D'ADDITIFS DE PERTE DE FLUIDE DESTINE AUX FLUIDES DE FORAGE DE PUITS PEU PROFOND**
[72] MAY, PRESTON A., US
[72] COLLINS, RYAN P., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **A NOVEL WEARABLE VIBRATION DEVICE**
[54] **NOUVEAU DISPOSITIF PORTABLE DE VIBRATION**
[72] LEFTLY, STEVEN, NZ
[72] JONES, DIANNE, NZ
[71] MYOVOLT LIMITED, CN
[85] 2017-03-29
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[54] **GASTROPLASTIE EN MANCHON ENDOLUMINAL**
[72] KEREN, DVIR, IL
[72] DLUGACH, YEKATERINA, IL
[72] YANIV, IRIT, IL
[72] WOLF, TAMIR, IL
[72] STAROBINSKY, SLAVA, IL
[71] NITINOTES LTD., IL
[85] 2017-03-29
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[54] **PACKER SETTING TOOL WITH INTERNAL PUMP**
[54] **OUTIL DE REGLAGE DE GARNITURE D'ETANCHEITE AVEC POMPE INTERNE**
[72] RICHARDS, WILLIAM MARK, US
[72] ROSS, COLBY MUNRO, US
[72] ROANE, THOMAS OWEN, US
[72] HENDERSON, WILLIAM DAVID, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
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[54] **COMPOSITION D'ELECTROLYTE DESTINEE A UNE BATTERIE A L'HALOGENURE DE ZINC ET ELECTRODE BIPOLAIRE RENFERMANT UNE BOITE DE CATHODE REVETUE DE CARBURE DE TITATE**
[72] ADAMSON, GEORGE W., US
[72] BOWERS, SARA S., US
[71] EOS ENERGY STORAGE, LLC, US
[85] 2017-03-29
[86] 2015-10-06 (PCT/US2015/054142)
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[30] US (62/170,200) 2015-06-03
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[54] **SYSTEMS AND METHODS FOR PORTABLE STORAGE DEVICES**
[54] **SYSTEMES ET PROCEDES POUR DISPOSITIFS DE STOCKAGE PORTABLES**
[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[71] FASETTO, LLC, US
[85] 2017-03-29
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[25] EN
[54] **METHODS FOR INCREASING EFFICIENCY OF NUCLEASE-INDUCED HOMOLOGY-DIRECTED REPAIR**
[54] **PROCEDES DESTINES A AUGMENTER L'EFFICACITE DE LA REPARATION PAR HOMOLOGIE INDUITE PAR NUCLEASE**
[72] JOUNG, J. KEITH, US
[72] KLEINSTIVER, BENJAMIN, US
[72] GEHRKE, JASON MICHAEL, US
[72] TSAI, SHENGDAR, US
[72] ANGSTMAN, JAMES, US
[72] COTTMAN, REBECCA TAYLER, US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[54] **ELECTROLYTE FOR RECHARGEABLE ELECTROCHEMICAL CELL**
[54] **ELECTROLYTE POUR PILE ELECTROCHIMIQUE RECHARGEABLE**
[72] ADAMSON, GEORGE W., US
[72] BOWERS, SARA S., US
[71] EOS ENERGY STORAGE, LLC, US
[85] 2017-03-29
[86] 2015-10-06 (PCT/US2015/054179)
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[25] EN
[54] **HYDRAULICALLY ACTUATED DOWNHOLE PUMP WITH TRAVELING VALVE**
[54] **POMPE DE FOND DE TROU A COMMANDE HYDRAULIQUE COMPRENANT UN CLAPET DE REFOULEMENT**
[72] KNOELLER, MICHAEL C., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2017-03-29
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[54] **APPARATUS AND METHOD FOR SCHEDULING DISTRIBUTED WORKFLOW TASKS**
[54] **APPAREIL ET PROCEDE DE PROGRAMMATION DE TACHES DISTRIBUEES DE FLUX DE TRAVAIL**
[72] VOSS, PETER, DE
[72] NAWROCKE, KELLY, US
[72] MCMANUS, MATTHEW, US
[71] DATAMEER, INC., US
[85] 2017-03-29
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[25] EN
[54] **COMPOSITIONS, KITS, AND METHODS TO INDUCE ACQUIRED CYTORESISTANCE USING STRESS PROTEIN INDUCERS**
[54] **COMPOSITIONS, KITS ET PROCEDES POUR INDUIRE UNE CYTORESISTANCE ACQUISE A L'AIDE D'INDUCTEURS DE PROTEINES DU STRESS**
[72] ZAGER, RICHARD, US
[72] JOHNSON, ALI CM, US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[85] 2017-03-29
[86] 2015-09-28 (PCT/US2015/052676)
[87] (WO2016/053882)
[30] US (62/057,047) 2014-09-29
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[54] **ANTIVIRALS AGAINST MOLLUSCUM CONTAGIOSUM VIRUS**
[54] **ANTIVIRAUX CONTRE LE VIRUS DU MOLLUSCUM CONTAGIOSUM**
[72] RICCIARDI, ROBERT P., US
[72] PARKER, MICHAEL H., US
[72] BAUGH, SIMON DAVID PETER, US
[72] REITZ, ALLEN B., US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2017-03-29
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[30] US (62/057,029) 2014-09-29

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[51] **Int.Cl. C12Q 1/68 (2006.01) C07K 16/28 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANGIOPOIETIN-2 BIOMARKERS PREDICTIVE OF ANTI-IMMUNE CHECKPOINT RESPONSE**
[54] **BIOMARQUEURS A BASE D'ANGIOPOIETINE -2 UTILISES POUR LA PREDICTION DE LA REPONSE DE POINT DE CONTROLE ANTI-IMMUNITAIRE**
[72] HODI, F. STEPHEN, US
[72] ZHOU, JUN, US
[72] WU, XINQI, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2017-03-29
[86] 2015-10-05 (PCT/US2015/053933)
[87] (WO2016/057367)
[30] US (62/060,230) 2014-10-06
[30] US (62/218,277) 2015-09-14
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[13] A1
[51] **Int.Cl. B63B 22/04 (2006.01) B63B 22/02 (2006.01)**
[25] EN
[54] **TAUT INVERTED CATENARY MOORING SYSTEM**
[54] **SYSTEME D'AMARRAGE DE CATENAIRE INVERSEE TENDUE**
[72] HOOGEVEEN, SWANIK MAAS, US
[72] POLLACK, JACK, US
[71] SEAHORSE EQUIPMENT CORP., US
[85] 2017-03-29
[86] 2015-10-06 (PCT/US2015/054139)
[87] (WO2016/057455)
[30] US (62/061,838) 2014-10-09
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[51] **Int.Cl. C05C 9/00 (2006.01) C07C 43/11 (2006.01) C07F 9/22 (2006.01)**
[25] EN
[54] **SOLVENT FOR THIOPHOSPHORIC TRIAMIDE OR DICYANDIAMIDE SOLUTIONS, AND RELATED METHODS**
[54] **SOLVANT POUR SOLUTIONS DE TRIAMIDE THIOPHOSPHORIQUE OU DE DICYANDIAMIDE, ET PROCEDES ASSOCIES**
[72] IANNOTTA, LEAHANN, US
[72] PAZHIANUR, RAJESH, US
[72] MOREAU, CHLOE, FR
[72] ARMISEN, SAMANTHA, FR
[71] RHODIA OPERATIONS, FR
[85] 2017-03-29
[86] 2015-09-29 (PCT/US2015/052897)
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[25] EN
[54] **COMPOSITION AND KITS FOR INHIBITION OF PATHOGENIC MICROBIAL INFECTION AND METHODS OF USING THE SAME**
[54] **COMPOSITION ET KITS POUR L'INHIBITION D'UNE INFECTION MICROBIENNE PATHOGENE ET LEURS METHODES D'UTILISATION**
[72] SALAMONE, JOSEPH CHARLES, US
[72] REILLY, KATELYN ELIZABETH, US
[72] NIXON, RONALD THOMAS, US
[72] SALAMONE, ANN BEAL, US
[72] LEUNG, KELLY XIAOYU-CHEN, US
[71] ROCHAL INDUSTRIES, LLC, US
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[51] **Int.Cl. G01S 19/21 (2010.01)**
[25] EN
[54] **INTER-GATEWAY INTERFERENCE MANAGEMENT AND ADMISSION CONTROL FOR A CDMA SATELLITE COMMUNICATIONS SYSTEM**
[54] **GESTION D'INTERFERENCES ENTRE PASSERELLES ET COMMANDE D'ADMISSION POUR UN SYSTEME DE COMMUNICATION PAR SATELLITE CDMA**
[72] XU, JUN, US
[72] JONG, JAMES, US
[72] RAVISHANKAR, CHANNASANDRA, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2017-03-29
[86] 2015-09-29 (PCT/US2015/053040)
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[30] US (62/057,221) 2014-09-29

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[51] **Int.Cl. A01H 5/00 (2006.01) C07K 14/195 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **HERBICIDE TOLERANCE GENES AND METHODS OF USE THEREOF**
[54] **GENES DE TOLERANCE AUX HERBICIDES ET LEURS PROCEDES D'UTILISATION**
[72] ELLIS, CHRISTINE M., US
[72] EVDOKIMOV, ARTEM G., US
[72] FENG, PAUL C.C., US
[72] FU, XIAORAN, US
[72] LARUE, CLAYTON T., US
[72] NAGEOTTE, JEFFREY R., US
[72] READ, ANDREW C., US
[72] SHI, LEI, US
[72] WOLLACOTT, ANDREW M., US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **PROTECTIVE METALLOTHIONEIN ANALOG COMPOUNDS, THEIR COMPOSITIONS AND USE THEREOF IN THE TREATMENT OF PATHOGENIC DISEASES**
[54] **COMPOSES D'ANALOGUES DE LA METALLOTHIONEINE DE PROTECTION, LEURS COMPOSITIONS ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES PATHOGENES**
[72] CRUM, ALBERT, US
[71] CRUM, ALBERT, US
[85] 2017-03-29
[86] 2015-10-09 (PCT/US2015/054862)
[87] (WO2016/057882)
[30] US (62/062,015) 2014-10-09

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[51] **Int.Cl. F04D 19/00 (2006.01) F21S 10/06 (2006.01) F24H 3/04 (2006.01)**
[25] EN
[54] **COMBINATION OF A CEILING FAN AND HEATER WITH LIGHT EFFECTS**
[54] **COMBINAISON D'UN VENTILATEUR DE PLAFOND ET D'UN ELEMENT CHAUFFANT AVEC EFFETS LUMINEUX**
[72] KOHEN, RAN ROLAND, US
[71] SAFETY QUICK LIGHTING & FANS CORP., US
[85] 2017-03-29
[86] 2015-09-30 (PCT/US2015/053138)
[87] (WO2016/054159)
[30] US (62/057,565) 2014-09-30

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **INVERSION DELIVERY DEVICE AND METHOD FOR A PROSTHESIS**
[54] **DISPOSITIF ET PROCEDE DE POSE PAR INVERSION POUR PROTHESE**
[72] CZYSCON, JOSEPH, US
[72] LEINGANG, EVAN, US
[71] HLT, INC., US
[85] 2017-03-29
[86] 2015-10-13 (PCT/US2015/055387)
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[25] EN
[54] **NOVEL TAMPER EVIDENT CONTAINERS**
[54] **NOUVEAUX CONTENANTS INVIOLABLES**
[72] LOTFI, ALI, US
[72] JEWETT, LAWRENCE E., US
[71] LACERTA GROUP, INC., US
[71] LOTFI, ALI, US
[71] JEWETT, LAWRENCE E., US
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[51] **Int.Cl. A61K 38/04 (2006.01) A61K 38/16 (2006.01) A61P 1/00 (2006.01) A61P 11/06 (2006.01) A61P 11/08 (2006.01) A61P 11/12 (2006.01) C07K 14/435 (2006.01)**
[25] EN
[54] **IMPROVED PEPTIDE INHIBITORS OF SODIUM CHANNELS**
[54] **INHIBITEURS PEPTIDIQUES AMELIORES DE CANAUX SODIQUES**
[72] TARRAN, ROBERT, US
[72] CHRISTENSEN, DALE J., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[71] SPYRYX BIOSCIENCES, INC., US
[85] 2017-03-29
[86] 2015-10-08 (PCT/US2015/054693)
[87] (WO2016/057795)
[30] US (62/061,461) 2014-10-08

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[51] **Int.Cl. C12N 9/50 (2006.01) C11D 3/386 (2006.01) C12N 9/54 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR STABILIZING TRANS-SPLICING INTEIN MODIFIED PROTEASES**
[54] **PROCEDES ET COMPOSITIONS DE STABILISATION DE PROTEASES DE TRANS-EPISSAGE MODIFIEE PAR INTEINE**
[72] RAAB, MICHAEL R., US
[72] SHEN, BINZHANG, US
[72] LAZAR, GABOR, US
[71] AGRIVIDA, INC., US
[85] 2017-03-29
[86] 2015-10-28 (PCT/US2015/057862)
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[30] US (62/069,653) 2014-10-28

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[51] **Int.Cl. A61K 31/4412 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING CANCER**
[54] **METHODE DE TRAITEMENT DU CANCER**
[72] KEILHACK, HEIKE, US
[71] EPIZYME, INC., US
[85] 2017-03-29
[86] 2015-10-16 (PCT/US2015/056022)
[87] (WO2016/061507)
[30] US (62/064,948) 2014-10-16
[30] US (62/065,590) 2014-10-17

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[51] **Int.Cl. H02J 13/00 (2006.01) H02J 1/00 (2006.01) H02J 3/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR AND METHOD OF DYNAMICALLY MANAGING ELECTRICAL POWER BETWEEN AN ELECTRICAL POWER SOURCE AND AN ELECTRICAL LOAD**
[54] **MONTAGE ET PROCEDE DE GESTION DYNAMIQUE DE L'ENERGIE ELECTRIQUE ENTRE UNE SOURCE D'ALIMENTATION ELECTRIQUE ET UNE CHARGE ELECTRIQUE**
[72] ADELSON, ALEX M., US
[71] NEXTEK POWER SYSTEMS, INC., US
[85] 2017-03-29
[86] 2015-11-10 (PCT/US2015/059805)
[87] (WO2016/111744)
[30] US (14/592,056) 2015-01-08

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[51] **Int.Cl. H04R 1/20 (2006.01) H04R 5/02 (2006.01) H04S 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING CUSTOMISED SOUND DISTRIBUTIONS**
[54] **PROCEDE ET APPAREIL DE REALISATION DE REPARTITIONS DU SON SUR MESURE**
[72] CURTINSMITH, DAVID, AU
[72] CHILDS, PAUL ANTHONY, AU
[72] CURTINSMITH, ERIN, AU
[71] GDE ENGINEERING PTY LTD, AU
[85] 2017-03-30
[86] 2015-10-09 (PCT/AU2015/000604)
[87] (WO2016/054679)
[30] AU (2014904043) 2014-10-10
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[51] **Int.Cl. G06T 15/00 (2011.01) G06T 17/20 (2006.01)**
[25] EN
[54] **RENDERING PLAUSIBLE IMAGES OF 3D POLYGON MESHES**
[54] **RENDU D'IMAGES PLAUSIBLES DE MAILLES DE POLYGONE TRIDIMENSIONNEL**
[72] PICHE, PATRICK, CA
[71] CAE INC., CA
[85] 2017-03-30
[86] 2014-09-30 (PCT/CA2014/000717)
[87] (WO2016/049729)
[30] US (14/501,141) 2014-09-30

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[51] **Int.Cl. G06T 19/20 (2011.01) G06T 15/00 (2011.01) G06T 17/20 (2006.01)**
[25] EN
[54] **UPDATING DAMAGED-ENHANCED 3D POLYGON MESHES**
[54] **MISE A JOUR DE MAILLAGES POLYGONAUX 3D ENDOMMAGES-REHAUSSES**
[72] LAGACE, MICHEL, CA
[72] PICHE, PATRICK, CA
[71] CAE INC., CA
[85] 2017-03-30
[86] 2014-09-30 (PCT/CA2014/000716)
[87] (WO2016/049728)
[30] US (14/501,157) 2014-09-30

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[13] A1
[51] **Int.Cl. E21B 25/00 (2006.01) E21B 27/00 (2006.01)**
[25] EN
[54] **BOX FOR PACKAGING CORE SAMPLES**
[54] **BOITE POUR CONDITIONNEMENT DE CAROTTES DE SONDAGE**
[72] DE BARROS RAMOS, FLAVIO, BR
[72] BORTOWSKI CARVALHO, DANIEL, BR
[71] DE BARROS RAMOS, FLAVIO, BR
[71] BORTOWSKI CARVALHO, DANIEL, BR
[85] 2017-03-30
[86] 2015-09-29 (PCT/BR2015/050163)
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[30] BR (BR1020140247009) 2014-10-03

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[51] **Int.Cl. G06T 19/20 (2011.01) G06T 15/00 (2011.01) G06T 17/20 (2006.01)**
[25] EN
[54] **RENDERING DAMAGED-ENHANCED IMAGES IN A COMPUTER SIMULATION**
[54] **RESTITUTION D'IMAGES ENDOMMAGEES-AMELIOREES LORS D'UNE SIMULATION INFORMATIQUE**
[72] PICHE, PATRICK, CA
[72] BRETON, JONATHAN, CA
[71] CAE INC., CA
[85] 2017-03-30
[86] 2014-09-30 (PCT/CA2014/000718)
[87] (WO2016/049730)
[30] US (14/501132) 2014-09-30

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[51] **Int.Cl. F21V 9/00 (2015.01) F21S 2/00 (2016.01) F21V 9/08 (2006.01) F21V 9/10 (2006.01)**
[25] EN
[54] **MATERIALS AND OPTICAL COMPONENTS FOR COLOR FILTERING IN LIGHTING APPARATUS**
[54] **MATERIAUX ET COMPOSANTS OPTIQUES POUR FILTRAGE DE COULEUR DANS UN APPAREIL D'ECLAIRAGE**
[72] CAI, DENGKE, US
[72] CLYNNE, THOMAS, US
[72] HE, JIANMIN, US
[72] KAMINSKI, MARK EDWARD, US
[72] YODER, BENJAMIN LEE, US
[72] REN, XIAOJUN, CN
[72] ZHOU, HUISHENG, CN
[72] WANG, ZHIYONG, CN
[72] LI, JIAN, CN
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2017-03-30
[86] 2014-10-08 (PCT/CN2014/088116)
[87] (WO2016/054764)

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[51] **Int.Cl. B23D 45/00 (2006.01) B23D 45/12 (2006.01)**
[25] EN
[54] **CUTTING DEVICE AND A METHOD FOR TREATING A PILE**
[54] **DISPOSITIF DE COUPE ET PROCEDE POUR TRAITER UN POIL**
[72] MORIMOTO, TEPPEI, FI
[71] MOTOCUT OY, FI
[85] 2017-03-30
[86] 2013-09-30 (PCT/FI2013/050946)
[87] (WO2015/044503)

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01)**
[25] EN
[54] **HUMAN IGG1 DERIVED ANTIBODY WITH PRO-APOPTOTIC ACTIVITY**
[54] **ANTICORPS DERIVE D'UNE IGG1 HUMAINE AYANT UNE ACTIVITE PRO-APOPTIQUE**
[72] DORVILLIUS, MYLENE, FR
[72] LE DOUSSAL, JEAN-MARC, CH
[72] TERME, MICKAEL, FR
[71] OGD2 PHARMA, FR
[85] 2017-03-30
[86] 2014-11-11 (PCT/EP2014/003011)
[87] (WO2015/070972)
[30] US (61/902, 926) 2013-11-12

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[51] **Int.Cl. C12N 1/00 (2006.01)**
[25] EN
[54] **THERMO-STABLE STRAINS, PRODUCTS AND METHODS THEREOF**
[54] **SOUCHES THERMOSTABLES, PRODUITS ET PROCEDES ASSOCIES**
[72] ADITYA, DESIRAJU, IN
[72] SHRILAKSHMI, DESIRAJU, IN
[72] IRFANULLA, SHARIEFF, IN
[72] ABHILASH, PRAKASH, IN
[71] TRIPHASE PHARMACEUTICALS PVT. LTD., IN
[85] 2017-03-30
[86] 2015-09-30 (PCT/IB2015/057497)
[87] (WO2016/051358)
[30] IN (4978/CHE/2014) 2014-10-01

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[51] **Int.Cl. E21B 43/00 (2006.01) E21B 43/34 (2006.01) F17D 1/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMPRESSING AND CONDITIONING HYDROCARBON GAS**
[54] **SYSTEME ET PROCEDE DE COMPRESSION ET DE CONDITIONNEMENT DE GAZ D'HYDROCARBURES**
[72] ATHIRATHNAM, RAJESH, US
[71] GE OIL & GAS, INC., US
[85] 2017-03-30
[86] 2014-10-06 (PCT/US2014/059230)
[87] (WO2016/057008)

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[51] **Int.Cl. E02D 3/12 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING GROUND**
[54] **PROCEDE D'AMELIORATION DU SOL**
[72] HANEDA, ATARU (DECEASED), JP
[71] DAISHO CHEMICAL R&D INC., JP
[71] SONIC FOUNDATION PTE LTD, SG
[85] 2017-03-30
[86] 2015-05-27 (PCT/JP2015/065176)
[87] (WO2016/051858)
[30] JP (2014-204546) 2014-10-03

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[51] **Int.Cl. A01H 9/00 (2006.01) A01H 11/00 (2006.01) C12N 5/04 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **METHODS OF USING O-METHYLTRANSFERASE FOR BIOSYNTHETIC PRODUCTION OF PTEROSTILBENE**
[54] **PROCEDES D'UTILISATION D'O-METHYLTRANSFERASE POUR LA PRODUCTION BIOSYNTHETIQUE DE PTEROSTILBENE**
[72] BHUIYA, MOHAMMAD WADUD, US
[72] WANG, YECHUN, US
[72] YU, XIAODAN, US
[71] CONAGEN INC., US
[85] 2017-03-30
[86] 2014-11-03 (PCT/US2014/063682)
[87] (WO2015/066609)
[30] US (61/898,899) 2013-11-01

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[51] **Int.Cl. F16F 9/32 (2006.01) F16F 9/18 (2006.01) F16F 9/46 (2006.01)**
[25] EN
[54] **LIQUID PRESSURE DEVICE**
[54] **DISPOSITIF A PRESSION HYDRAULIQUE**
[72] OGAWA, TAKAYUKI, JP
[72] KOUGE, TAKUYA, JP
[71] KYB CORPORATION, JP
[85] 2017-03-30
[86] 2015-10-22 (PCT/JP2015/079822)
[87] (WO2016/063944)
[30] JP (2014-216895) 2014-10-24

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[51] **Int.Cl. B01D 71/02 (2006.01) B01D 69/08 (2006.01)**
[25] EN
[54] **MEMBRANE-FORMING DOPE FOR CARBON MEMBRANES AND A METHOD FOR PRODUCING A CARBON HOLLOW FIBER MEMBRANE USING THE SAME**
[54] **DOPANT FORMANT UNE MEMBRANE POUR MEMBRANES DE CARBONE ET PROCEDE DE PRODUCTION DE MEMBRANE DE FIBRES CREUSES DE CARBONE AU MOYEN DE CE DOPANT**
[72] KONDO, MASATAKA, JP
[72] WATANABE, KENSUKE, JP
[72] YAMAMOTO, HIROKAZU, JP
[71] NOK CORPORATION, JP
[85] 2017-03-30
[86] 2015-10-09 (PCT/JP2015/078773)
[87] (WO2016/067900)
[30] JP (2014-221063) 2014-10-30
[30] JP (2015-079206) 2015-04-08

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[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR THE CONTROLLED DELIVERY OF GASES**
[54] **PROCEDE ET APPAREIL PERMETTANT LA DISTRIBUTION COMMANDEE DE GAZ**
[72] WHITE, DAVID EDWARD, NZ
[72] BARTLEY, JAMES RUSSELL FREDERICK, NZ
[72] CURRIE, JONATHAN DAVID, NZ
[72] MAKINSON, IAN DOUGLAS, NZ
[72] MCAULEY, ALASTAIR EDWIN, NZ
[72] NATES, ROY JONATHAN, NZ
[71] AUT UNIVERSITY, NZ
[85] 2017-03-30
[86] 2015-10-05 (PCT/NZ2015/050169)
[87] (WO2016/053119)
[30] NZ (700670) 2014-10-03

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[13] A1
[51] **Int.Cl. E21B 7/08 (2006.01) E21B 17/04 (2006.01)**
[25] EN
[54] **SINGLE-PASS MILLING ASSEMBLY**
[54] **ENSEMBLE DE BROYAGE A PASSAGE UNIQUE**
[72] RODRIGUEZ, FRANKLIN CHARLES, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. C02F 1/50 (2006.01) C02F 1/76 (2006.01) G05D 21/00 (2006.01)**
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[54] **METHODS AND SYSTEMS FOR USE IN TREATMENT OF LIQUIDS**
[54] **PROCEDES ET SYSTEMES A UTILISER DANS LE TRAITEMENT DE LIQUIDES**
[72] ECONOMEDES MANUEL, J., US
[71] ECONOMEDES MANUEL, J., US
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[86] 2015-08-18 (PCT/US2015/045699)
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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 21/08 (2006.01) E21B 33/12 (2006.01)**
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[54] **VALVE FOR USE WITH DOWNHOLE TOOLS**
[54] **VANNE DESTINEE A ETRE UTILISEE AVEC DES OUTILS DE FOND DE TROU**
[72] DOCKWEILER, DAVID ALLEN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2014-12-17 (PCT/US2014/070833)
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[51] **Int.Cl. G06F 11/10 (2006.01)**
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[54] **PROVIDING FUNCTIONAL REQUIREMENTS FOR A NETWORK CONNECTION FROM A LOCAL LIBRARY**
[54] **FOURNITURE D'EXIGENCES FONCTIONNELLES POUR UNE CONNEXION DE RESEAU DEPUIS UNE BIBLIOTHEQUE LOCALE**
[72] SELLA, WILLIAM THOMAS, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-03-30
[86] 2015-09-22 (PCT/US2015/051524)
[87] (WO2016/053691)
[30] US (62/057,756) 2014-09-30
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[51] **Int.Cl. H04L 12/26 (2006.01)**
[25] EN
[54] **SAMPLING PACKETS TO MEASURE NETWORK PERFORMANCE**
[54] **PAQUETS D'ECHANTILLONNAGE POUR MESURER LES PERFORMANCES D'UN RESEAU**
[72] SELLA, WILLIAM THOMAS, US
[72] SELLA, JAMES MICHAEL, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-03-30
[86] 2015-09-22 (PCT/US2015/051530)
[87] (WO2016/053693)
[30] US (62/057,290) 2014-09-30
[30] US (14/678,687) 2015-04-03

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[51] **Int.Cl. E21B 43/267 (2006.01)**
[25] EN
[54] **PROPPANT PARTICLES FORMED FROM SLURRY DROPLETS AND METHODS OF USE**
[54] **PARTICULES D'AGENT DE SOUTENEMENT CONSTITUEES DE GOUTTELETTES DE BOUILLIE ET PROCEDES D'UTILISATION**
[72] ELDRED, BENJAMIN T., US
[72] WILSON, BRETT A., US
[72] GARDINIER, CLAYTON F., US
[72] DUENCKEL, ROBERT, US
[71] CARBO CERAMICS INC., US
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[54] **HANDLING LONG-TAIL CONTENT IN A CONTENT DELIVERY NETWORK**
[54] **GESTION DE CONTENU DE QUEUE LONGUE DANS UN RESEAU DE LIVRAISON DE CONTENU**
[72] NEWTON, CHRISTOPHER, US
[72] JOHNS, KEVIN, US
[72] POWER, WILLIAM, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-03-30
[86] 2015-09-30 (PCT/US2015/053107)
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[30] US (62/057,762) 2014-09-30

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[51] **Int.Cl. H01L 35/32 (2006.01) H01L 35/30 (2006.01) H01L 35/34 (2006.01)**
[25] EN
[54] **THERMOELECTRIC GENERATING UNIT AND METHODS OF MAKING AND USING SAME**
[54] **UNITE DE GENERATION THERMOELECTRIQUE ET PROCEDES POUR SA FABRICATION ET SON UTILISATION**
[72] LORIMER, ADAM, US
[72] HANNEMANN, CHRISTOPHER, US
[72] CRANE, DOUGLAS, US
[72] DE PIJPER, AD, US
[72] BEERA, SASI BHUSHAN, US
[72] CHASE, JORDAN, US
[72] AGUIRRE, MARIO, US
[72] FREEMAN, DANIEL, US
[71] ALPHABET ENERGY, INC., US
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[54] **THERMOELECTRIC GENERATORS FOR RECOVERING WASTE HEAT**
[54] **GENERATEURS THERMOELECTRIQUES DE RECUPERATION DE CHALEUR PERDUE**
[72] LORIMER, ADAM, US
[72] DE PIJPER, AD, US
[72] HANNEMANN, CHRISTOPHER, US
[72] CRANE, DOUGLAS, US
[72] BEERA, SASI BHUSHAN, US
[72] SURA, SRAVAN KUMAR R., US
[72] CHASE, JORDAN, US
[72] PAHL, MOTHUSI, US
[72] PATEL, TAPAN, US
[72] SCULLIN, MATTHEW L., US
[72] LINDHEIM, MICHAEL STEPHEN, US
[72] FREEMAN, DANIEL, US
[72] MELIKIAN, MARK FREDERIC, US
[72] SCHECTOR, LUNA P., US
[71] ALPHABET ENERGY, INC., US
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[86] 2015-10-01 (PCT/US2015/053438)
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[51] **Int.Cl. A61K 31/5415 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING DRUG RESISTANT CANCER**
[54] **PROCEDE DE TRAITEMENT D'UN CANCER PHARMACORESISTANT**
[72] HUANG, CHI-YING, CN
[72] CHANG, PETER MU-HSIN, CN
[72] CHEN, KUAN-YU, CN
[72] WU, CHUN-HUNG, CN
[72] CHENG, TAI-SHAN, CN
[72] YU, CHENG-HAO, CN
[71] NATIONAL YANG MING UNIVERSITY, TW
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[51] **Int.Cl. A61K 35/50 (2015.01) A61K 35/36 (2015.01) A61L 27/38 (2006.01)**
[25] EN
[54] **AMNIOTIC MEMBRANE POWDER AND ITS USE IN WOUND HEALING AND TISSUE ENGINEERING CONSTRUCTS**
[54] **POUDRE DE MEMBRANE AMNIOTIQUE ET SON UTILISATION DANS LA CICATRISATION DES PLAIES ET DANS DES CONSTRUCTIONS DE GENIE TISSULAIRE**
[72] MURPHY, SEAN V., US
[72] SKARDAL, ALEKSANDER, US
[72] ATALA, ANTHONY, US
[71] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
[85] 2017-03-30
[86] 2015-10-01 (PCT/US2015/053571)
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[25] EN
[54] **INSERTABLE VARIABLE FRAGMENTS OF ANTIBODIES AND MODIFIED A1-A2 DOMAINS OF NKG2D LIGANDS**
[54] **FRAGMENTS VARIABLES INSERABLES D'ANTICORPS ET DOMAINES A1-A2 MODIFIES DE LIGANDS NKG2D**
[72] LANDGRAF, KYLE, US
[72] STEIGER, DANIEL, US
[72] WILLIAMS, STEVEN R., US
[72] MARTIN, DAVID W., US
[71] AVIDBIOTICS CORP., US
[85] 2017-03-30
[86] 2015-12-04 (PCT/US2015/064051)
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[30] US (62/088,456) 2014-12-05

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[25] EN
[54] **SUBSTITUTED AROMATIC COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF DIABETES**
[54] **COMPOSES AROMATIQUES SUBSTITUES ET COMPOSITIONS PHARMACEUTIQUES POUR LA PREVENTION ET LE TRAITEMENT DU DIABETE**
[72] GAGNON, LYNE, CA
[72] GROUIX, BRIGITTE, CA
[71] PROMETIC BIOSCIENCES INC., CA
[85] 2017-04-05
[86] 2015-10-08 (PCT/CA2015/000531)
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[25] EN
[54] **PROMOTING MUSCLE BUILDING AND REPAIR AND TREATING DISORDERS RELATED TO COLLAGEN AND PERTINENT PROTEINS BY USING SHILAJIT**
[54] **PROMOTION DE LA MUSCULATION ET DE LA REPARATION DE MUSCLE ET TRAITEMENT DE TROUBLES ASSOCIES AU COLLAGENE ET A DES PROTEINES PERTINENTES PAR UTILISATION DE SHILAJIT**
[72] SEN, CHANDAN K., US
[71] NATREON, INC., US
[85] 2017-03-30
[86] 2015-10-01 (PCT/US2015/053587)
[87] (WO2016/054433)
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[54] **HYDROGEN PEROXIDE-ACTIVATED COMPOUNDS AS SELECTIVE ANTI-CANCER THERAPEUTICS**
[54] **COMPOSES ACTIVES PAR DU PEROXYDE D'HYDROGENE SERVANT D'AGENTS THERAPEUTIQUES ANTI-CANCEREUX SELECTIFS**
[72] MERINO, EDWARD J., US
[72] MULLOY, JAMES, US
[72] VADUKOOT, ANISH K., US
[72] WUNDERLICH, MARK, US
[72] ABDULSALAM, SAFNAS F., US
[71] UNIVERSITY OF CINCINNATI, US
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[51] **Int.Cl. E21B 25/10 (2006.01) E21B 49/02 (2006.01)**
[25] EN
[54] **DEVICE AND SYSTEM FOR USE IN MONITORING CORING OPERATIONS**
[54] **DISPOSITIF ET SYSTEME DESTINES A ETRE UTILISES DANS LA SURVEILLANCE DES OPERATIONS DE CAROTTAGE**
[72] CONNELL, WILLIAM FRANCIS, AU
[72] THOMPSON, ANDREW KENNETH, AU
[71] SPECIALISED OILFIELD SERVICES PTY LTD, AU
[85] 2017-03-31
[86] 2015-10-09 (PCT/AU2015/050616)
[87] (WO2016/054698)
[30] AU (2014904066) 2014-10-10

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[25] EN
[54] **COMBINATION THERAPIES**
[54] **POLYTHERAPIES**
[72] CAO, ZHU ALEXANDER, US
[72] RONG, XIANHUI, US
[72] PINZON-ORTIZ, MARIA CONSUELO, US
[72] LONGMIRE, TYLER, US
[72] LEE, BENJAMIN HYUN, US
[71] NOVARTIS AG, CH
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[86] 2015-10-02 (PCT/US2015/053799)
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[51] **Int.Cl. A61B 17/34 (2006.01) A61B 1/06 (2006.01)**
[25] EN
[54] **SYSTEM FOR ILLUMINATION DURING A CORRIDOR BASED PROCEDURE**
[54] **SYSTEME POUR ILLUMINATION PENDANT UNE PROCEDURE BASEE SUR CORRIDOR**
[72] WOOD, MICHAEL FRANK GUNTER, CA
[72] PIRON, CAMERON ANTHONY, CA
[72] YUWARAJ, MURUGATHAS, CA
[72] RICHMOND, JOSHUA LEE, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-03-31
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[51] **Int.Cl. G01R 33/58 (2006.01) A61B 5/055 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR IMAGE CAPTURE AND REGISTRATION IN IMAGE-GUIDED SURGERY**
[54] **PROCEDE, SYSTEME ET APPAREIL DE CAPTURE ET D'ENREGISTREMENT D'IMAGE EN CHIRURGIE ASSISTEE PAR IMAGERIE MEDICALE**
[72] STAINSBY, JEFF, CA
[72] SELA, GAL, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-03-31
[86] 2014-11-14 (PCT/CA2014/000819)
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[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06K 9/18 (2006.01)**
[25] EN
[54] **SYSTEMS FOR PROCESSING ELECTRONIC TRANSACTIONS**
[54] **SYSTEMES DE TRAITEMENT DE TRANSACTIONS ELECTRONIQUES**
[72] MCGAUGH, TIMOTHY DEAN, CA
[72] ORTIZ, EDISON U., CA
[72] LEE, TERRY W.C., CA
[72] BORNSTEIN, JEREMY PAUL, CA
[71] ROYAL BANK OF CANADA, CA
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[51] **Int.Cl. A61K 48/00 (2006.01)**
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[54] **TARGETED AUGMENTATION OF NUCLEAR GENE OUTPUT**
[54] **AUGMENTATION CIBLEE DE LA PRODUCTION DE GENES NUCLEAIRES**
[72] KRAINER, ADRIAN, US
[72] AZNAREZ, ISABEL, US
[71] COLD SPRING HARBOR LABORATORY, US
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[51] **Int.Cl. A61G 11/00 (2006.01) A61H 1/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR IMPROVING HEALTH OUTCOMES OF PRETERM INFANTS**
[54] **APPAREIL ET METHODES PERMETTANT D'AMELIORER LES RESULTATS CLINIQUES DE NOURRISSONS NES AVANT LE TERME**
[72] HOLSTI, LIISA, CA
[72] MACLEAN, KARON, CA
[72] VOSS, HENRY, CA
[71] BRITISH COLUMBIA CANCER AGENCY BRANCH, CA
[85] 2017-03-31
[86] 2015-10-02 (PCT/CA2015/051002)
[87] (WO2016/049780)
[30] US (62/059,274) 2014-10-03
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[13] A1
[51] **Int.Cl. A23L 3/375 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR CHILLING SAUCES AND LIQUIDS**
[54] **APPAREIL, SYSTEME ET PROCEDE DE REFROIDISSEMENT DE SAUCES ET DE LIQUIDES**
[72] MADSEN, SCOTT THOMAS, US
[72] LILAKOS, LOUIS, CA
[72] ORTIZ-CORDOVA, MONICA, CA
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2017-03-30
[86] 2015-10-05 (PCT/US2015/053979)
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[30] US (62/065,183) 2014-10-17

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[51] **Int.Cl. G03B 7/01 (2014.01) G01B 11/00 (2006.01) G01C 3/32 (2006.01) G01C 25/00 (2006.01) G02B 15/00 (2006.01) G03B 13/32 (2006.01) G03B 13/34 (2006.01) G03B 13/36 (2006.01) G05B 19/042 (2006.01) G08C 17/02 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **SYSTEM AND TECHNIQUES FOR IMAGE CAPTURE**
[54] **SYSTEME ET TECHNIQUES DE CAPTURE D'IMAGES**
[72] FISHER, ANTONY, CA
[72] TAYLOR, JULIAN, CA
[72] MACDONALD, MICHAEL, CA
[72] LEVY, JEFFREY, CA
[71] ANDRA MOTION TECHNOLOGIES INC., CA
[85] 2017-03-31
[86] 2015-10-05 (PCT/CA2015/051005)
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[30] US (62/059,623) 2014-10-03

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[13] A1
[51] **Int.Cl. C12Q 1/70 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ISOLATION OF CIRCULATING TUMOR CELLS (CTC)**
[54] **COMPOSITIONS ET METHODES PERMETTANT L'ISOLEMENT DE CELLULES TUMORALES CIRCULANTES (CTC)**
[72] DORSEY, JAY F., US
[72] KAO, GARY D., US
[72] HAHN, STEPHEN M., US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2017-03-30
[86] 2015-10-05 (PCT/US2015/053982)
[87] (WO2016/057387)
[30] US (62/060,219) 2014-10-06

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[51] **Int.Cl. F21V 29/83 (2015.01) F21V 29/505 (2015.01) F21V 7/00 (2006.01) F21K 9/00 (2016.01) F21V 15/015 (2006.01)**
[25] EN
[54] **AIR HANDLING LIGHT FIXTURE**
[54] **LUMINAIRE A TRAITEMENT D'AIR**
[72] DE OLIVEIRA, AVELINO, US
[71] HUBBELL INCORPORATED, US
[85] 2017-03-30
[86] 2015-10-05 (PCT/US2015/053996)
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[30] US (62/059,668) 2014-10-03

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[51] **Int.Cl. G01S 13/92 (2006.01) G01S 7/40 (2006.01) G01S 13/58 (2006.01)**
[25] EN
[54] **TRAFFIC RADAR SYSTEM WITH AUTOMATED TUNING FORK TEST FEATURE**
[54] **SYSTEME RADAR DE TRAFIC A ELEMENT D'ESSAI DE DIAPASON AUTOMATISE**
[72] SHELTON, MAURICE E., US
[72] BIETSCH, MICHAEL J., US
[71] KUSTOM SIGNALS, INC., US
[85] 2017-03-30
[86] 2015-10-05 (PCT/US2015/054021)
[87] (WO2016/054639)
[30] US (62/059,472) 2014-10-03

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[51] **Int.Cl. H04J 14/02 (2006.01) C12N 1/19 (2006.01) C12N 9/02 (2006.01) C12N 9/06 (2006.01) C12N 9/10 (2006.01) C12N 9/14 (2006.01) C12N 9/90 (2006.01) C12P 19/18 (2006.01) C12P 19/56 (2006.01) C12P 33/00 (2006.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR BIOSYNTHESIS OF MOGROSIDE COMPOUNDS**
[54] **PROCEDES ET MATIERES POUR LA BIOSYNTHESE DE COMPOSES MOGROSIDES**
[72] HOUGHTON-LARSEN, JENS, DK
[72] KRZYSTANEK, KATARZYNA, CH
[72] SEMMLER, ANGELIKA, DK
[72] HANSEN, IVER KLAVS RIISHEDE, DK
[72] DAMKIAER, SOREN, CH
[72] LIU, GARY, CH
[72] LIU, YAOQUAN, US
[72] HANSEN, JORGEN, DK
[72] KUMAR, SATHISH, IN
[72] MURALI, MUTHUSWAMY PANCHAPAGESA, IN
[72] RASMUSSEN, NINA NICOLINE, DK
[71] EVOLVA SA, AF
[85] 2017-03-31
[86] 2015-09-30 (PCT/EP2015/072645)
[87] (WO2016/050890)
[30] US (14/504,109) 2014-10-01
[30] US (62/059,136) 2014-10-02
[30] US (62/087,726) 2014-12-04
[30] US (62/090,836) 2014-12-11
[30] US (62/091,895) 2014-12-15
[30] US (62/199,115) 2015-07-30

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[13] A1
[51] **Int.Cl. E01C 19/20 (2006.01)**
[25] EN
[54] **HOPPER BAFFLE ASSEMBLY FOR ASPHALT PAVING MACHINE**
[54] **ENSEMBLE DEFLECTEUR DE TREMIE POUR FINISSEUR D'ASPHALTE**
[72] BLANK, MIKEL A., US
[71] ROADTEC, INC., US
[85] 2017-03-30
[86] 2015-10-13 (PCT/US2015/055297)
[87] (WO2016/061082)
[30] US (62/064,327) 2014-10-15

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[13] A1
[51] **Int.Cl. B27L 1/12 (2006.01)**
[25] EN
[54] **DEBARKING APPARATUS WITH LEFT AND RIGHT SIDE DEBRIS DISCHARGE**
[54] **APPAREIL D'ECORCAGE AVEC EVACUATION DE DEBRIS A GAUCHE ET A DROITE**
[72] RAGNARSSON, ANDERS, US
[71] TEREX USA, LLC, US
[85] 2017-03-30
[86] 2015-10-05 (PCT/US2015/054031)
[87] (WO2016/057408)
[30] US (62/060,257) 2014-10-06

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[51] **Int.Cl. C07D 417/12 (2006.01) C07D 277/64 (2006.01)**
[25] EN
[54] **INHIBITORS OF LYSINE GINGIPAIN**
[54] **INHIBITEURS DE LYSINE GINGIPAINE**
[72] KONRADI, ANDREI, US
[72] DOMINY, STEPHEN S., US
[72] CRAWFORD LYNCH, CASEY, US
[72] COBURN, CRAIG, US
[72] VACCA, JOSEPH, US
[71] CORTEXYME, INC., US
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[54] **CUT-OFF TRANSITION FOR CONTROL VALVE POSITIONERS**
[54] **TRANSITION DE COUPURE POUR DISPOSITIFS DE POSITIONNEMENT DE VANNE DE COMMANDE**
[72] JUNK, KENNETH W., US
[72] LOVELL, MICHEL K., US
[72] SNOWBARGER, JIMMIE L., US
[72] SEYLLER, JEFFREY D., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
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[25] EN
[54] **APPARATUS AND METHODS FOR PRODUCING AND DELIVERING A VAPOUR MEDICAMENT**
[54] **APPAREIL ET PROCEDES POUR PRODUIRE ET ADMINISTRER UN MEDICAMENT EN PHASE VAPEUR**
[72] DENNIS, JOHN H., CA
[72] MCAFFER, IAN G. C., CA
[72] DALBERG, STEFAN, CA
[72] GREEN, FRANCIS, CA
[72] CLARK, ANDY, CA
[71] SOLAEROMED INC., CA
[85] 2017-03-31
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[54] **SYSTEM AND METHOD FOR POWER CONTROL**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE PUISSANCE**
[72] RONG, ZHIGANG, US
[72] YANG, YUNSONG, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-03-31
[86] 2015-09-30 (PCT/CN2015/091224)
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[25] EN
[54] **METHODS AND COMPOSITIONS OF NEUREGULINS FOR PREVENTING, TREATING OR DELAYING PRESERVED EJECTION FRACTION CARDIAC FAILURE**
[54] **METHODES ET COMPOSITIONS DE NEUREGULINES PERMETTANT DE PREVENIR, TRAITER OU RETARDER UNE INSUFFISANCE CARDIAQUE A FRACTION D'EJECTION PRESERVEE**
[72] ZHOU, MINGDONG, AU
[71] ZENSUN (SHANGHAI) SCIENCE & TECHNOLOGY LIMITED, CN
[85] 2017-03-31
[86] 2015-10-08 (PCT/CN2015/091459)
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[54] **OVERHEAD STORAGE BIN LATCH SYSTEM**
[54] **SYSTEME DE VERROU POUR COMPARTIMENT DE RANGEMENT SUPERIEUR**
[72] KEARSEY, STEPHEN, US
[72] LONG, ERIC, US
[72] SAVIAN, SCOTT, US
[71] C&D ZODIAC, INC., US
[85] 2017-03-30
[86] 2015-10-27 (PCT/US2015/057513)
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[25] EN
[54] **A DRILL STRING ELEMENT AND ASSOCIATED EQUIPMENT AND METHODS**
[54] **ELEMENT DE TRAIN DE TIGES ET EQUIPEMENT ET PROCEDES ASSOCIES**
[72] SHEARER, DAVID, GB
[71] SHEARER, DAVID, GB
[85] 2017-03-31
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[54] **SERINGUE RETRACTABLE**
[72] WALSH, ALLAN, AU
[71] GLOBAL MEDISAFE HOLDINGS LIMITED, AU
[85] 2017-03-31
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[25] EN
[54] **VIDEO CODING DEVICE, VIDEO DECODING DEVICE, VIDEO CODING METHOD, VIDEO DECODING METHOD AND PROGRAM**
[54] **DISPOSITIF DE CODAGE VIDEO, DISPOSITIF DE DECODAGE VIDEO, PROCEDE DE CODAGE VIDEO, PROCEDE DE DECODAGE VIDEO, ET PROGRAMME**
[72] CHONO, KEIICHI, JP
[71] NEC CORPORATION, JP
[85] 2017-03-31
[86] 2015-08-12 (PCT/JP2015/004037)
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[25] EN
[54] **METHOD AND DEVICE FOR BOOSTING LOW-FREQUENCIES FOR A MARINE SEISMIC SURVEY**
[54] **PROCEDE ET DISPOSITIF PERMETTANT D'AMPLIFIER DES BASSES-FREQUENCES POUR UN LEVE SISMIQUE MARIN**
[72] NI, YUAN, FR
[72] SHEN, HONGLEI, FR
[72] ELBOTH, THOMAS, FR
[71] CGG SERVICES SAS, FR
[85] 2017-03-31
[86] 2015-10-06 (PCT/IB2015/002147)
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[51] **Int.Cl. A61B 5/055 (2006.01) G01R 33/035 (2006.01) H01F 6/04 (2006.01)**
[25] EN
[54] **AN APPARATUS AND A METHOD FOR HELIUM COLLECTION AND RELIQUEFACTION IN A MAGNETOENCEPHALOGRAPHY MEASUREMENT DEVICE**
[54] **APPAREIL ET PROCEDE POUR COLLECTE ET RELIQUEFACTION D'HELIUM DANS UN DISPOSITIF DE MESURE DE MAGNETOENCEPHALOGRAPHIE**
[72] AHONEN, ANTTI, FI
[72] BLAAUWGEERS, ROB, FI
[72] LAINE, PASI PETTERI, FI
[72] LAHTEENMAKI, SAMI ANTERO, FI
[71] ELEKTA AB (PUBL)., SE
[85] 2017-03-31
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[54] **POLYMER COMPOSITIONS**
[54] **COMPOSITIONS DE POLYMERE**
[72] DWARAKANATH, VARADARAJAN, US
[72] DEAN, ROBERT M., US
[72] KIM, DO HOON, US
[72] ALEXIS, DENNIS ARUN, US
[72] THACH, SOPHANY, US
[72] MALIK, TAIMUR, US
[72] POULSEN, ANETTE, US
[72] SUBRAHMANYAN, SUMITRA, US
[71] CHEVRON U.S.A. INC., US
[85] 2017-03-30
[86] 2015-10-29 (PCT/US2015/058136)
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[25] EN
[54] **LIQUID TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE LIQUIDE**
[72] KRIHELI, MARINO, IL
[71] EQUASHIELD MEDICAL LTD., IL
[85] 2017-03-31
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[30] US (62/058,667) 2014-10-02

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[51] **Int.Cl. H01M 8/04 (2016.01)**
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[54] **ELECTRODE ARRANGEMENTS FOR ELECTROCHEMICAL TEST ELEMENTS AND METHODS OF USE THEREOF**
[54] **AGENCEMENTS D'ELECTRODES DESTINES A DES ELEMENTS D'ESSAI ELECTROCHIMIQUE, ET LEURS PROCEDES D'UTILISATION**
[72] BEATY, TERRY, US
[72] BUCK, HARVEY, US
[72] DIEBOLD, ERIC, US
[72] GERBER, MARTIN, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-03-30
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[25] EN
[54] **SUBSTITUTED AROMATIC COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF OSTEOPOROSIS**
[54] **COMPOSES AROMATIQUES SUBSTITUES ET COMPOSITIONS PHARMACEUTIQUES POUR LA PREVENTION ET LE TRAITEMENT DE L'OSTEOPOROSE**
[72] GAGNON, LYNE, CA
[72] GROUIX, BRIGITTE, CA
[71] PROMETIC BIOSCIENCES INC., CA
[85] 2017-04-05
[86] 2015-10-08 (PCT/CA2015/000540)
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[25] EN
[54] **VEHICLE ROOF STRUCTURE AND METHOD FOR MANUFACTURING VEHICLE ROOF STRUCTURE**
[54] **STRUCTURE DE TOIT DE VEHICULE ET PROCEDE DE FABRICATION DE STRUCTURE DE TOIT DE VEHICULE**
[72] KUWAHARA, HIROKI, JP
[72] FUJIUCHI, HIROKI, JP
[72] MORITA, TAKAHIRO, JP
[72] GOTO, AKIRA, JP
[72] OTSUKA, KEIJI, JP
[72] WATANABE, SUMITOMO, JP
[72] KUMAGAI, TORU, JP
[72] HORIMUKAI, TOSHIYUKI, JP
[71] HONDA MOTOR CO., LTD., JP
[85] 2017-03-31
[86] 2015-09-30 (PCT/JP2015/077701)
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[25] EN
[54] **PHENYLKETONE CARBOXYLATE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR THE PREVENTION AND TREATMENT OF OSTEOPOROSIS**
[54] **COMPOSES CARBOXYLATE DE PHENYLCETONE ET COMPOSITIONS PHARMACEUTIQUES DE PREVENTION ET DE TRAITEMENT DE L'OSTEOPOROSE**
[72] GAGNON, LYNE, CA
[72] GROUIX, BRIGITTE, CA
[71] PROMETIC BIOSCIENCES INC., CA
[85] 2017-04-05
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[25] EN
[54] **ISOXAZOLE DERIVATIVE AS MUTANT ISOCITRATE DEHYDROGENASE 1 INHIBITOR**
[54] **DERIVE D'ISOXAZOLE COMME INHIBITEUR DE L'ISOCITRATE DESHYDROGENASE 1 MUTE**
[72] SAITO, SHOICHI, JP
[72] ITOH, MASAO, JP
[72] FUJISAWA, TETSUNORI, JP
[72] SAITO, HIRONAO, JP
[72] KIYOTSUKA, YOHEI, JP
[72] WATANABE, HIDEAKI, JP
[72] MATSUNAGA, HIRONORI, JP
[72] KAGOSHIMA, YOSHIKO, JP
[72] SUZUKI, TETSUYA, JP
[72] OGAWARA, YOKO, JP
[72] KITABAYASHI, KAZUO, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[71] NATIONAL CANCER CENTER, JP
[85] 2017-03-31
[86] 2015-10-01 (PCT/JP2015/077916)
[87] (WO2016/052697)
[30] JP (2014-203475) 2014-10-01
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[25] EN
[54] **METHOD OF PRODUCTION OF BRAZED JOINT AND SUCH A BRAZED JOINT**
[54] **METHODE DE PRODUCTION DE JOINTS BRASES ET UN TEL JOINT BRASE**
[72] ZENIYA, TASUKU, JP
[72] NISHIBATA, HITOMI, JP
[72] YASUYAMA, MASANORI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-03-31
[86] 2015-10-02 (PCT/JP2015/078088)
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[51] **Int.Cl. C12N 5/0783 (2010.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF ISOLATING T CELLS HAVING ANTIGENIC SPECIFICITY FOR A CANCER-SPECIFIC MUTATION**
[54] **METHODES D'ISOLATION DE CELLULES T PRESENTANT UNE SPECIFICITE ANTIGENIQUE POUR UNE MUTATION SPECIFIQUE D'UN CANCER**
[72] TRAN, ERIC, US
[72] LU, YONG-CHEN, US
[72] ROBBINS, PAUL F., US
[72] ROSENBERG, STEVEN A., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[51] **Int.Cl. G06F 3/048 (2013.01)**
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[54] **DEVICE, METHOD, AND GRAPHICAL USER INTERFACE FOR PRESENTING AND INSTALLING APPLICATIONS**
[54] **DISPOSITIF, PROCEDE ET INTERFACE UTILISATEUR GRAPHIQUE POUR PRESENTER ET INSTALLER DES APPLICATIONS**
[72] SRINIVASAN, RAGAVAN, US
[72] NAZARUK, IEVGENII, US
[71] FACEBOOK, INC., US
[85] 2017-03-31
[86] 2014-10-13 (PCT/US2014/060260)
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[30] US (14/511,124) 2014-10-09

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[51] **Int.Cl. E04B 2/70 (2006.01) E04B 2/56 (2006.01) E04C 2/12 (2006.01)**
[25] EN
[54] **WALL ELEMENT, WALL SECTION OF SAID ELEMENTS AND METHOD FOR BUILDING THEREOF**
[54] **ELEMENT DE PAROI, SECTION DE PAROI DESDITS ELEMENTS ET PROCEDE DE CONSTRUCTION ASSOCIE**
[72] OSTLUND, MARTIN, SE
[72] MOXEN, JOAKIM, SE
[71] PARALOX AB, SE
[85] 2017-03-31
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[87] (WO2016/053177)
[30] SE (1451170-3) 2014-10-02

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[51] **Int.Cl. C22C 38/00 (2006.01) C22C 38/60 (2006.01)**
[25] EN
[54] **HEAT-RESISTANT AUSTENITIC CAST STEEL HAVING EXCELLENT THERMAL FATIGUE PROPERTIES, AND EXHAUST MEMBER MADE THEREOF**
[54] **ACIER COULE AUSTENITIQUE THERMORESISTANT AYANT D'EXCELLENTES PROPRIETES DE FATIGUE THERMIQUE ET ELEMENT D'ECHAPPEMENT FAIT DUDIT ACIER**
[72] KIMURA, HIROFUMI, JP
[72] NAMITO, TOMONORI, JP
[72] KATSURAGI, SUSUMU, JP
[72] HAYAKAWA, JUNJI, JP
[71] HITACHI METALS, LTD., JP
[85] 2017-03-31
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[51] **Int.Cl. A61K 6/06 (2006.01) A61K 9/52 (2006.01) A61K 31/65 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT AND PROPHYLAXIS OF SURGICAL SITE INFECTIONS**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT ET LA PROPHYLAXIE D'INFECTIONS DE SITE CHIRURGICAL**
[72] EMANUEL, NOAM, IL
[71] POLYPID LTD., IL
[85] 2017-03-31
[86] 2015-09-27 (PCT/IB2015/057409)
[87] (WO2016/051321)
[30] US (62/058,809) 2014-10-02

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[51] **Int.Cl. E21B 49/08 (2006.01) E21B 49/10 (2006.01) G01N 1/10 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROVIDING A FLUID SAMPLE IN A WELL**
[54] **APPAREIL ET PROCEDE D'OBTENTION D'UN ECHANTILLON FLUIDIQUE DANS UN PUITS**
[72] DYBDAHL, BJORN, NO
[72] KIRKEROD, TROND, NO
[71] EXPRO PETROTECH AS, NO
[85] 2017-03-31
[86] 2015-09-30 (PCT/NO2015/050178)
[87] (WO2016/053110)
[30] NO (20141190) 2014-10-03

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[25] EN
[54] **DRY LAND SKI**
[54] **SKI TERRESTRE A SEC**
[72] MA, FEIYU, US
[71] MA, FEIYU, US
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[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/70 (2006.01)**
[25] EN
[54] **METHODS OF ZONAL ISOLATION AND TREATMENT DIVERSION WITH SHAPED PARTICLES**
[54] **PROCEDES D'ISOLEMENT DE ZONE ET LE TRAITEMENT DEVIATION, PRESENTANT DES PARTICULES EN FORME**
[72] IVANOV, MAXIM GRIGORIEVICH, RU
[72] POTAPENKO, DMITRIY IVANOVICH, US
[72] SOVA, ALEXEY ALEXANDROVICH, RU
[72] SOLNYSHKIN, DMITRY SERGEYEVICH, RU
[72] ALEKSEENKO, OLGA PETROVNA, RU
[72] BULOVA, MARINA NIKOLAEVNA, RU
[72] LECERF, BRUNO, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2017-03-31
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[25] EN
[54] **ADVANCED TOOLFACE CONTROL SYSTEM FOR A ROTARY STEERABLE DRILLING TOOL**
[54] **SYSTEME DE COMMANDE DE FACE DE COUPE AVANCE POUR UN OUTIL DE FORAGE ORIENTABLE ROTATIF**
[72] DYKSTRA, JASON D., US
[72] VADALI, VENKATA MADHUKANTH, US
[72] SONG, XINGYONG, US
[72] GE, XIAOQING, US
[72] XUE, YUZHEN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-31
[86] 2014-11-10 (PCT/US2014/064834)
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[25] EN
[54] **FEEDBACK BASED TOOLFACE CONTROL SYSTEM FOR A ROTARY STEERABLE DRILLING TOOL**
[54] **SYSTEME DE COMMANDE A RETROACTION DE FACE DE COUPE POUR UN OUTIL DE FORAGE ORIENTABLE ROTATIF**
[72] SONG, XINGYONG, US
[72] DYKSTRA, JASON D., US
[72] VADALI, VENKATA MADHUKANTH, US
[72] XUE, YUZHEN, US
[72] GE, XIAOQING, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[86] 2014-11-10 (PCT/US2014/064839)
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[51] **Int.Cl. E21B 33/13 (2006.01) C09K 8/42 (2006.01)**
[25] EN
[54] **CURABLE COMPOSITION AND RESIN FOR TREATMENT OF A SUBTERRANEAN FORMATION**
[54] **COMPOSITION DURCISSABLE ET RESINE POUR LE TRAITEMENT D'UNE FORMATION SOUTERRAINE**
[72] HUNDT, GREG ROBERT, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-31
[86] 2014-12-10 (PCT/US2014/069548)
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[13] A1
[51] **Int.Cl. B65D 88/26 (2006.01) B65D 88/30 (2006.01)**
[25] EN
[54] **SILO WITH RECONFIGURABLE ORIENTATION**
[54] **SILO AVEC ORIENTATION RECONFIGURABLE**
[72] HUNTER, TIMOTHY HOLIMAN, US
[72] CASE, LEONARD RAY, US
[72] STEGEMOELLER, CALVIN LYNN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. A45C 5/14 (2006.01) A45C 5/00 (2006.01)**
[25] EN
[54] **ARTICLE OF LUGGAGE AND METHOD OF ASSEMBLING**
[54] **BAGAGE ET PROCEDE D'ASSEMBLAGE**
[72] RANKIN, ROBIN CUNNINGHAM, US
[71] TRAVELPRO PRODUCTS, INC., US
[85] 2017-03-31
[86] 2015-05-13 (PCT/US2015/030484)
[87] (WO2016/053387)
[30] US (62/059,002) 2014-10-02

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY MODULE ARCHITECTURE WITH HORIZONTAL AND VERTICAL EXPANDABILITY**
[54] **ARCHITECTURE DE MODULE DE BATTERIE A EXTENSIBILITE HORIZONTALE ET VERTICALE**
[72] POULIS, SPIRO, US
[72] BEGLIAROV, SERGEI N. BEGLIAROV, US
[72] ZAKHARYAN, KAGUM G., US
[71] ELITISE LLC, US
[85] 2017-03-31
[86] 2015-04-02 (PCT/US2015/024027)
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[30] US (62/059,461) 2014-10-03

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[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **METHODS FOR FACILITATING REFERENCES IN A CHAT CONTEXT AND DEVICES THEREOF**
[54] **PROCEDES POUR FACILITER DES REFERENCES DANS UN CONTEXTE DE DIALOGUE EN LIGNE ET DISPOSITIFS ASSOCIES**
[72] SCODA, ENRICO, IT
[71] USABLENET INC., US
[85] 2017-03-31
[86] 2015-06-22 (PCT/US2015/036956)
[87] (WO2016/057092)
[30] US (14/509,235) 2014-10-08

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[13] A1
[51] **Int.Cl. A61F 2/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INSERTING A PLIABLE IMPLANT THROUGH AN INCISION USING A MULTI-STAGE COMPRESSION SLEEVE**
[54] **SYSTEME ET PROCEDE D'INTRODUCTION D'IMPLANT PLIABLE A TRAVERS UNE INCISION CHIRURGICALE A L'AIDE D'UN MANCHON DE COMPRESSION A ETAGES MULTIPLES**
[72] PLACIK, OTTO J., US
[72] PENSLER, JAY, US
[71] PLACIK, OTTO J., US
[71] PENSLER, JAY, US
[85] 2017-03-31
[86] 2015-08-24 (PCT/US2015/046452)
[87] (WO2016/073063)
[30] US (14/536,544) 2014-11-07

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[51] **Int.Cl. A63B 26/00 (2006.01) A47G 9/06 (2006.01)**
[25] EN
[54] **YOGA MATS**
[54] **TAPIS DE YOGA**
[72] WILLIS, MICHAEL ALLEN, US
[71] MAALIKAI, INC., US
[71] WILLIS, MICHAEL ALLEN, US
[85] 2017-03-31
[86] 2015-08-26 (PCT/US2015/047033)
[87] (WO2016/033238)
[30] US (14/470,815) 2014-08-27

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[51] **Int.Cl. F16L 3/123 (2006.01)**
[25] EN
[54] **TUCKED CUSHION CLAMP AND PROCESS OF MAKING A TUCKED CUSHION CLAMP**
[54] **COLLIER A GARNITURE DE PROTECTION ET SON PROCEDE DE FABRICATION**
[72] SUMNERS, BOB, US
[71] ADELWIGGINGS GROUP, US
[85] 2017-03-31
[86] 2015-10-05 (PCT/US2015/053940)
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[30] US (62/059,267) 2014-10-03

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[51] **Int.Cl. A63G 1/00 (2006.01) A63G 7/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **ACTUATABLE MOTION BASE SYSTEM**
[54] **SYSTEME DE BASES DE MOUVEMENT A ACTIONNEMENT**
[72] VAN WINKLE, TED W., US
[72] STENZLER, PAULA, US
[72] BLUM, STEVEN C., US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2017-03-31
[86] 2015-10-05 (PCT/US2015/054013)
[87] (WO2016/057400)
[30] US (62/060,799) 2014-10-07
[30] US (14/873,945) 2015-10-02

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[13] A1
[51] **Int.Cl. B65G 67/02 (2006.01)**
[25] EN
[54] **PERCEPTION-BASED ROBOTIC MANIPULATION SYSTEM AND METHOD FOR AUTOMATED TRUCK UNLOADER THAT UNLOADS/UNPACKS PRODUCT FROM TRAILERS AND CONTAINERS**
[54] **SYSTEME DE MANIPULATION ROBOTIQUE BASE SUR LA PERCEPTION ET PROCEDE POUR DISPOSITIF DE DECHARGEMENT DE CAMIONS AUTOMATISE QUI DECHARGE/DEBALLE LE PRODUIT DES REMORQUES ET CONTENEURS**
[72] MCMURROUGH, CHRISTOPHER D., US
[72] DOLIOTIS, PAVLOS, US
[72] MIDDLETON, MATTHEW B., US
[72] CRISWELL, ALEX, US
[72] RAJAN, SAMARTH, US
[72] WEIR, JUSTRY, US
[71] WYNRIGHT CORPORATION, US
[85] 2017-03-31
[86] 2015-10-05 (PCT/US2015/054079)
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[30] US (62/059,515) 2014-10-03

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[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 211/14 (2006.01) C07D 413/06 (2006.01)**
[25] EN
[54] **POLY(ADP-RIBOSE) POLYMERASE 1 INHIBITORS STRUCTURALLY UNRELATED TO NAD**
[54] **INHIBITEURS DE POLY(ADP-RIBOSE) POLYMERASE 1 STRUCTURELLEMENT NON APPARENTES A NAD**
[72] TULIN, ALEXEI, US
[71] INSTITUTE FOR CANCER RESEARCH D/B/A THE RESEARCH INSTITUTE OF FOX CHASE CANCER CENTER, US
[85] 2017-03-31
[86] 2015-09-30 (PCT/US2015/053259)
[87] (WO2016/054237)
[30] US (62/059,201) 2014-10-03

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[51] **Int.Cl. G01N 33/48 (2006.01) G06F 19/18 (2011.01) C40B 20/00 (2006.01)**
[25] EN
[54] **VARIANT CALLER**
[54] **PROGRAMME D'APPEL DE VARIANTS**
[72] GIBIANSKY, ANDREW LEONIDOVICH, US
[72] HAQUE, IMRAN SAEEDUL, US
[72] MAGUIRE, JARED ROBERT, US
[72] ROBERTSON, ALEXANDER DE JONG, US
[71] COUNSYL, INC., US
[85] 2017-03-31
[86] 2015-10-15 (PCT/US2015/055807)
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[30] US (62/064,717) 2014-10-16

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[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **GHO/SEC24B2 AND SEC24B1 NUCLEIC ACID MOLECULES TO CONTROL COLEOPTERAN AND HEMIPTERAN PESTS**
[54] **MOLECULES D'ACIDES NUCLEIQUES SEC24B1 GHO/SEC24B2 POUR LUTTER CONTRE LES COLEOPTERES ET LES HEMIPTERES NUISIBLES**
[72] NARVA, KENNETH E., US
[72] ARORA, KANIKA, US
[72] WORDEN, SARAH, US
[72] RANGASAMY, MURUGESAN, US
[72] LI, HUARONG, US
[72] FREY, MEGHAN, US
[72] SIEGFRIED, BLAIR, US
[72] KHAJURIA, CHITVAN, US
[72] FISHILEVICH, ELANE, US
[71] DOW AGROSCIENCES LCC, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[85] 2017-03-31
[86] 2015-10-08 (PCT/US2015/054749)
[87] (WO2016/057822)
[30] US (62/061,608) 2014-10-08

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[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/46 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A FRESH BREWED COLD COFFEE BEVERAGE AND COFFEE MACHINE FOR CONDUCTING SUCH METHOD**
[54] **PROCEDE DE PREPARATION D'UNE BOISSON FROIDE AU CAFE FRAICHEMENT INFUSE ET MACHINE A CAFE POUR REALISER UN TEL PROCEDE**
[72] TRUNINGER, RUDI, US
[72] ECKENHAUSEN, STEVEN, US
[71] SCHAERER AG, CH
[85] 2017-04-03
[86] 2015-02-12 (PCT/EP2015/000309)
[87] (WO2015/149899)
[30] CH (00498/14) 2014-04-01
[30] US (14/505,738) 2014-10-03

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[13] A1
[51] **Int.Cl. C10L 10/10 (2006.01)**
[25] EN
[54] **FUEL COMPOSITION AND METHOD OF FORMULATING A FUEL COMPOSITION TO REDUCE REAL-WORLD DRIVING CYCLE PARTICULATE EMISSIONS**
[54] **COMPOSITION DE CARBURANT ET PROCEDE DE FORMULATION D'UNE COMPOSITION DE CARBURANT AFIN DE REDUIRE LES EMISSIONS DE PARTICULES REELLES DU CYCLE D'ENTRAINEMENT**
[72] MEFFERT, MICHAEL WAYNE, US
[72] MORRIS, JOHN DAVID, US
[72] ROOS, JOSEPH W., US
[72] SHAO, HUIFANG, US
[71] AFTON CHEMICAL CORPORATION, US
[85] 2017-03-31
[86] 2015-10-13 (PCT/US2015/055221)
[87] (WO2016/061035)
[30] US (14/516,627) 2014-10-17

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[51] **Int.Cl. A63B 5/22 (2006.01) A63B 23/04 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **EXERCISE APPARATUS AND METHOD**
[54] **APPAREIL D'ENTRAINEMENT PHYSIQUE ET PROCEDE**
[72] RAINS, KEVIN THOMAS, US
[71] KRAINKN, LLC, US
[85] 2017-03-31
[86] 2015-10-01 (PCT/US2015/053581)
[87] (WO2016/054430)
[30] US (62/058,570) 2014-10-01

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[13] A1
[51] **Int.Cl. B01J 20/32 (2006.01) A01N 25/08 (2006.01)**
[25] EN
[54] **BIOCHARS AND BIOCHAR TREATMENT PROCESSES**
[54] **BIOCHARBONS ET PROCESSUS DE TRAITEMENT DE BIOCHARBON**
[72] BONTCHEV, RANKO, US
[72] KIM, HAN SUK, US
[72] BELCHER, RICHARD WILSON, US
[72] JARAND, MARK L., US
[71] COOL PLANET ENERGY SYSTEMS, INC., US
[85] 2017-03-31
[86] 2015-10-01 (PCT/US2015/053583)
[87] (WO2016/054431)
[30] US (62/058,445) 2014-10-01
[30] US (62/058,472) 2014-10-01
[30] US (62/162,219) 2015-05-15

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[13] A1
[51] **Int.Cl. C25D 15/00 (2006.01) B01J 16/00 (2006.01) B01J 37/02 (2006.01) C23C 18/31 (2006.01) C25D 15/02 (2006.01)**
[25] EN
[54] **NONAMPHOLYTIC, QUATERNIZABLE AND WATER-SOLUBLE POLYMERS FOR MODIFYING T HE SURFACE CHARGE OF SOLID PARTICLES**
[54] **POLYMERES NON AMPHOLYTES QUATERNARISABLES HYDROSOLUBLES POUR MODIFIER LA CHARGE SUPERFICIELLE DE PARTICULES SOLIDES**
[72] SEELMANN-EGGEBERT, HANS-PETER, DE
[72] URBAN, TOBIAS, DE
[71] BASF SE, DE
[85] 2017-04-03
[86] 2015-10-23 (PCT/EP2015/074657)
[87] (WO2016/062880)
[30] EP (14190 359.1) 2014-10-24

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[51] **Int.Cl. A61B 5/0295 (2006.01) A61B 5/0275 (2006.01)**
[25] EN
[54] **QUANTIFICATION OF ABSOLUTE BLOOD FLOW IN TISSUE USING FLUORESCENCE-MEDIATED PHOTOPLETHYSMOGRAPHY**
[54] **QUANTIFICATION DE CIRCULATION SANGUINE ABSOLUE DANS UN TISSU A L'AIDE DE PHOTOPLETHYSMOGRAPHIE INDUITE PAR FLUORESCENCE**
[72] FLOWER, ROBERT W., US
[72] STEAD, ROBERT ANTHONY, CA
[72] BAILEY, ARTHUR E., CA
[71] NOVADAQ TECHNOLOGIES INC., CA
[85] 2017-04-03
[86] 2014-10-09 (PCT/IB2014/065189)
[87] (WO2016/055837)

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[51] **Int.Cl. B09C 1/00 (2006.01)**
[25] EN
[54] **A SOIL RECLAMATION SYSTEM AND PROCESS**
[54] **SYSTEME ET PROCEDE DE REGENERATION DE SOL**
[72] DAY, RONALD R., US
[71] DAY, RONALD R., US
[85] 2017-03-31
[86] 2015-10-01 (PCT/US2015/053595)
[87] (WO2016/054438)
[30] US (62/059,096) 2014-10-02

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[13] A1
[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **JOINT STRUCTURE FOR STEEL PIPES, AND METHOD FOR MANUFACTURING SAME**
[54] **STRUCTURE DE RACCORD POUR CONDUITES EN ACIER, ET PROCEDE POUR SA FABRICATION**
[72] SUZUKI, TERUAKI, JP
[71] METAL ONE CORPORATION, JP
[85] 2017-04-03
[86] 2014-10-17 (PCT/JP2014/077685)
[87] (WO2016/059719)

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[13] A1
[51] **Int.Cl. A61K 31/74 (2006.01) A61K 31/745 (2006.01) A61K 31/75 (2006.01) C08F 236/20 (2006.01)**
[25] EN
[54] **USE OF GASTROINTESTINALLY ADMINISTERED POROUS ENTERON SORBENT POLYMERS TO PREVENT OR TREAT RADIATION INDUCED MUCOSITIS, ESOPHAGITIS, ENTERITIS, COLITIS, AND GASTROINTESTINAL ACUTERADIATION SYNDROME**
[54] **UTILISATION DE POLYMERES POREUX SORBANTS ENTERIQUES ADMINISTRES PAR VOIE GASTROINTESTINALE POUR PREVENIR OU TRAITER LA MUCOSITE, L'ESOPHAGITE, L'ENTERITE, LA COLITE, ET LE SYNDROME GASTRO-INTESTINAL AIGU D'IRRADIATION INDUITS PAR L'IRRADIATION**
[72] ALI, HUMAYRA, BEGUM, US
[72] GOLOBISH, THOMAS D., US
[72] CAPPONI, VINCENT J., US
[72] CHAN, PHILLIP P., US
[72] YOUNG, WEI-TAI, US
[72] SCHEIRER, ANDREW ROBERT, US
[71] CYTOSORBENTS CORPORATION, US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053622)
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[51] **Int.Cl. C22B 23/02 (2006.01) C21B 13/10 (2006.01) C22B 1/24 (2006.01) C22B 5/10 (2006.01) C22C 33/04 (2006.01)**
[25] EN
[54] **METHOD FOR SMELTING NICKEL OXIDE ORE**
[54] **PROCEDE DE FUSION DE MINERAI D'OXYDE DE NICKEL**
[72] TAKAHASHI, JUNICHI, JP
[72] INOUE, TAKU, JP
[72] OKADA, SHUUJI, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2017-04-03
[86] 2015-09-15 (PCT/JP2015/076197)
[87] (WO2016/056362)
[30] JP (2014-205828) 2014-10-06

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[13] A1
[51] **Int.Cl. H01R 4/02 (2006.01)**
[25] EN
[54] **WIRE AND METHODS FOR PREPARING A WIRE TO RECEIVE A CONTACT ELEMENT**
[54] **FIL ET PROCEDES DE PREPARATION D'UN FIL DESTINE A RECEVOIR UN ELEMENT DE CONTACT**
[72] TRAFTON, MICHAEL L., US
[72] STEINER, ROBERT D., US
[71] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053738)
[87] (WO2016/054516)
[30] US (62/059,317) 2014-10-03
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[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CHEMICAL ANALYSIS**
[54] **DISPOSITIF ET PROCEDE D'ANALYSE CHIMIQUE**
[72] TASLIM, MOHAMMAD E., US
[72] FOTOUHI, MOHAMMED, US
[72] ABEDI, MEHDI, US
[72] MOLLAAGHABABA, REZA, US
[72] FOTOUHI, BAHRAM, US
[72] JAVAHERIAN, KASHAYAR, US
[72] GREENFIELD, EDWARD ALVIN, US
[71] RITE TASTE, LLC, US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053793)
[87] (WO2016/054550)
[30] US (62/059,731) 2014-10-03
[30] US (62/206,471) 2015-08-18

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[51] **Int.Cl. A23L 2/52 (2006.01) A23C 9/13 (2006.01) A23F 3/16 (2006.01) A23F 5/24 (2006.01) A23L 2/00 (2006.01) A23L 2/02 (2006.01) C12G 3/04 (2006.01)**
[25] EN
[54] **CONTAINER-FILLED BEVERAGE FOR PERSON WITH SWALLOWING DIFFICULTY**
[54] **BOISSON DANS UN RECIPIENT POUR PERSONNE AYANT DES DIFFICULTES DE DEGLUTITION**
[72] BATORI, HIROSHI, JP
[72] AKACHI, TOSHIYUKI, JP
[72] KANAZAWA, TOMOKO, JP
[72] KUROIWA, KEIJI, JP
[72] TAMAI, TOMOE, JP
[72] UMETSU, TAKASUKE, JP
[72] ENDOU, HIROSHI, JP
[72] SUGANUMA, YOSHINARI, JP
[72] YAMAMOTO, KAZUO, JP
[72] KAWAMORI, MOEKO, JP
[72] NAKAMOTO, HIKARU, JP
[71] DAIWA CAN COMPANY, JP
[85] 2017-04-03
[86] 2015-09-30 (PCT/JP2015/077827)
[87] (WO2016/063698)
[30] JP (2014-214073) 2014-10-20

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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **DISPOSABLE TANK ELECTRONIC CIGARETTE, METHOD OF MANUFACTURE AND METHOD OF USE**
[54] **CIGARETTE ELECTRONIQUE A RESERVOIR JETABLE, PROCEDE DE FABRICATION ET PROCEDE D'UTILISATION**
[72] PEREZ, RUBEN HECTOR, US
[72] BASILE, ALEXANDER, US
[72] CRAWFORD, ALAN, US
[71] DIGIRETTES, INC., US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053836)
[87] (WO2016/054580)
[30] US (62/059,095) 2014-10-02

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[13] A1
[51] **Int.Cl. B22D 11/16 (2006.01) B22D 11/18 (2006.01) G01F 23/22 (2006.01)**
[25] EN
[54] **APPARATUS, METHOD, AND PROGRAM FOR DETECTING MOLTEN METAL SURFACE LEVEL IN CONTINUOUS CASTING MOLD**
[54] **DISPOSITIF, PROCEDE ET PROGRAMME POUR LA DETECTION DE NIVEAU DE SURFACE DE METAL EN FUSION DANS UN MOULE DE COULEE CONTINUE**
[72] NAKAGAWA, JUNICHI, JP
[72] HIRAMOTO, YUUJI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-04-03
[86] 2015-10-14 (PCT/JP2015/079040)
[87] (WO2016/060164)
[30] JP (2014-210712) 2014-10-15

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[13] A1
[51] **Int.Cl. A61L 27/60 (2006.01)**
[25] EN
[54] **USE OF REGENERATIVE CELLS IN MITIGATING BURN PROGRESSION AND IMPROVING SKIN GRAFT INCORPORATION AND HEALING**
[54] **UTILISATION DE CELLULES REGENERATIVES DANS L'ATTENUATION DE LA PROGRESSION DE BRULURE ET L'AMELIORATION DE L'INCORPORATION ET LA CICATRISATION D'UNE GREFFE DE PEAU**
[72] FRASER, JOHN K., US
[72] FOUBERT, PHILIPPE, US
[72] ALFONSO, ZENI, US
[71] CYTORI THERAPEUTICS, INC., US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053856)
[87] (WO2016/054592)
[30] US (62/059,773) 2014-10-03

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01)**
[25] EN
[54] **ANTIBODIES THAT BIND EBOLA GLYCOPROTEIN AND USES THEREOF**
[54] **ANTICORPS QUI SE LIENT A LA GLYCOPROTEINE DU VIRUS EBOLA ET UTILISATIONS ASSOCIES**
[72] SASISEKHARAN, RAM, US
[72] THARAKARAMAN, KANNAN, US
[72] QUINLAN, DEVIN, US
[72] SUBRAMANIAN, VIDYA, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053871)
[87] (WO2016/054598)
[30] US (62/059,746) 2014-10-03

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[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/08 (2006.01) A61B 5/091 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ASSESSING RESPIRATORY DATA IN A MONITORED SUBJECT**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'EVALUER DES DONNEES RESPIRATOIRES CHEZ UN SUJET SURVEILLE**
[72] VAN DONGEN, JEROEN WILLEM FRANS, NL
[72] OOSTERHEERT, JOHAN, NL
[71] MEDWEAR B.V., NL
[85] 2017-04-03
[86] 2015-10-01 (PCT/NL2015/050688)
[87] (WO2016/053103)
[30] NL (2013551) 2014-10-01

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[13] A1
[51] **Int.Cl. E01D 19/12 (2006.01)**
[25] EN
[54] **COMPOSITE STRUCTURAL PANEL AND METHOD OF FABRICATION**
[54] **PANNEAU STRUCTURAL COMPOSITE ET SON PROCEDE DE FABRICATION**
[72] LEWIT, SCOTT, US
[72] REICHARD, RONNAL, US
[71] LEWIT, SCOTT, US
[71] REICHARD, RONNAL, US
[85] 2017-03-31
[86] 2015-10-02 (PCT/US2015/053885)
[87] (WO2016/054607)
[30] US (62/059,143) 2014-10-02

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[54] **PEPTIDES AYANT DES PROPRIETES ANTI-INFLAMMATOIRES**
[72] JAYNES, JESSE M., US
[72] LOPEZ, HENRY W., US
[72] MARTIN, GEORGE R., US
[72] YATES, CLAYTON, US
[72] GARVIN, CHARLES E., US
[71] RIPTIDE BIOSCIENCE, INC., US
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[54] **INSECTICIDAL POLYPEPTIDES HAVING BROAD SPECTRUM ACTIVITY AND USES THEREOF**
[54] **POLYPEPTIDES INSECTICIDES A LARGE SPECTRE D'ACTIVITE ET LEURS UTILISATIONS**
[72] ABAD, ANDRE, US
[72] DONG, HUA, US
[72] RICE, JANET, US
[72] SHI, XIAOMEI, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[71] E. I. DU PONT DE NEMOURS AND COMPANY, US
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[54] **APPARATUS AND METHOD FOR FORMING SHOULDER AND NECK OF METALLIC CONTAINER**
[54] **APPAREIL ET PROCEDE POUR FORMER UNE EPAULE ET UN COL D'UN CONTENANT METALLIQUE**
[72] KAANTA, JASON M., US
[72] EDWARDS, DANIEL A., US
[71] BALL CORPORATION, US
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[25] EN
[54] **DISCRETIZATION SCHEME FOR SIMULATING PROPPANT TRANSPORT IN DYNAMIC FRACTURE NETWORKS**
[54] **SCHEMA DE DISCRETISATION POUR SIMULER LE TRANSPORT D'AGENT DE SOUTENEMENT DANS DES RESEAUX DE FRACTURE DYNAMIQUES**
[72] SHETTY, DINESH ANANDA, US
[72] LIN, AVI, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **RECIPIENT EN POLYMERE STRUCTURE RIGIDE**
[72] YOURIST, SHELDON E., US
[71] GRAHAM PACKAGING COMPANY, L.P., US
[85] 2017-03-31
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[54] **FORMATION FRACTURE FLOW MONITORING**
[54] **SUIVI D'ECOULEMENT DANS UNE FRACTURE DANS UNE FORMATION**
[72] SHETTY, DINESH ANANDA, US
[72] LIN, AVI, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ORIFICE PLATE BEARING LUBRICATION SYSTEM**
[54] **SYSTEME DE LUBRIFICATION DE PALIER DE PLAQUE A ORIFICE**
[72] NELSON, ANDREW MICHAEL, US
[72] CAMPBELL, MICHAEL DAVID, US
[72] PETERSON, JOHNATHAN EDWARD, US
[71] GE OIL & GAS ESP, INC., US
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[25] FR
[54] **STATOR OF AN AIRCRAFT TURBINE ENGINE**
[54] **STATOR DE TURBOMACHINE D'AERONEF**
[72] CHARBONNIER, SIMON PIERRE CLAUDE, FR
[72] PERRIER, MATTHIEU YOANN, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[54] **SHRINK DISC CONNECTION FOR SURFACE PUMP THRUST CARRYING SHAFTS**
[54] **LIAISON DE FRETTE POUR ARBRES DE SUPPORT DE POUSSEE DE POMPE DE SURFACE.**
[72] NELSON, ANDREW MICHAEL, US
[72] CAMPBELL, MICHAEL DAVID, US
[72] PETERSON, JOHNATHAN EDWARD, US
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[54] **TAPER SLEEVE DRIVER FOR THRUST BEARING**
[54] **DISPOSITIF D'ENTRAINEMENT DE DOUILLE DE REDUCTION POUR PALIER DE BUTEE**
[72] NELSON, ANDREW MICHAEL, US
[72] CAMPBELL, MICHAEL DAVID, US
[72] PETERSON, JOHNATHAN EDWARD, US
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[54] **SUPPORT DE MOTEUR A DOUBLE PLAQUE POUR SYSTEME DE POMPAGE HORIZONTAL**
[72] NELSON, ANDREW MICHAEL, US
[72] PETERSON, JOHNATHAN EDWARD, US
[71] GE OIL & GAS ESP, INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR INCORPORATING A PHYSICAL IMAGE STREAM IN A HEAD MOUNTED DISPLAY**
[54] **SYSTEME ET PROCEDE POUR INCORPORER UN FLUX D'IMAGES PHYSIQUES DANS UN VISIOCASQUE**
[72] BALACHANDRESWARAN, DHANUSHAN, CA
[72] CHEN, ZEXI, CA
[72] ZHANG, JIAN, CA
[71] SULON TECHNOLOGIES INC., CA
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[54] **TELEMETRY MODULE WITH PUSH ONLY GATE VALVE ACTION**
[54] **MODULE DE TELEMETRIE A ACTION DE VANNE-PORTE UNIQUEMENT A POUSSEE**
[72] CARTER, DANIEL PATRICK, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] FR
[54] **CROSSLINKED POLYMER BASED ON A RANDOM COPOLYMER AND A VOLATILE POLYAMINATED CROSSLINKING AGENT AND PROCESSES FOR PRODUCING SAME**
[54] **POLYMERE RETICULE A BASE D'UN COPOLYMERE ALEATOIRE ET D'UN AGENT RETICULANT POLYAMINE VOLATIL, ET SES PROCEDES DE FABRICATION**
[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] VERREAULT, SERGE, CA
[72] TURCOTTE, NANCY, CA
[72] HAMEL-PAQUET, JULIE, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
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[25] EN
[54] **BAND-GAP COMMUNICATIONS ACROSS A WELL TOOL WITH A MODIFIED EXTERIOR**
[54] **COMMUNICATIONS A BANDE INTERDITE A TRAVERS UN OUTIL DE PUITS PRESENTANT UN EXTERIEUR MODIFIE**
[72] MA, JIN, SG
[72] HUANG, WEI HSUAN, SG
[72] WILSON, GLENN ANDREW, SG
[72] AHMED, IFTIKHAR, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **OPTICAL TRANSMITTER WITH OPTICAL RECEIVER-SPECIFIC DISPERSION PRE-COMPENSATION**
[54] **EMETTEUR OPTIQUE AVEC PRE-COMPENSATION DE LA DISPERSION SPECIFIQUE D'UN RECEPTEUR OPTIQUE**
[72] LIU, XIANG, US
[72] EFFENBERGER, FRANK, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-04-03
[86] 2015-05-20 (PCT/CN2015/079390)
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[25] EN
[54] **DETECTOR CONFIGURATION FOR WELL-LOGGING TOOL**
[54] **CONCEPTION DE DETECTEUR POUR OUTIL DE DIAGRAPHIE DE PUITS**
[72] LABAN, DAVID JAMES, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-04-03
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[25] EN
[54] **SWEEP EFFICIENCY FOR HOLE CLEANING**
[54] **EFFICACITE DE BALAYAGE POUR NETTOYAGE DE TROU**
[72] ROWE, MATHEW DENNIS, US
[72] GRAVES, WALTER VARNEY ANDREW, US
[72] GALLIANO, CLINTON CHERAMIE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **CHARGING CIRCUIT AND MOBILE TERMINAL**
[54] **CIRCUIT DE CHARGE ET TERMINAL MOBILE**
[72] ZHANG, JIALIANG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[51] **Int.Cl. H04N 21/482 (2011.01)**
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[54] **ON-DEMAND VIDEO NEWS PROGRAMMING**
[54] **PROGRAMMATION D'ACTUALITES VIDEO SUR DEMANDE**
[72] POWAR, RAHUL, GB
[72] JOHNSTON, ERIC, US
[72] SHOWMAN, ISAAC, US
[71] THOMSON REUTERS GLOBAL RESOURCES, CH
[85] 2017-04-03
[86] 2015-09-15 (PCT/US2015/050100)
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[25] EN
[54] **LOW MOLECULAR WEIGHT GRAFT POLYMER FOR SCALE INHIBITOR**
[54] **POLYMERE GREFFE DE BAS POIDS MOLECULAIRE POUR INHIBITEUR DE TARTRE**
[72] WANG, JANICE JIANZHAO, US
[72] MELBOUCI, MOHAND, US
[71] HERCULES LLC, US
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[54] **ATROPINE SULFATE RAPIDLY-DISINTEGRATING SUBLINGUAL TABLETS, METHODS FOR MANUFACTURE THEREOF, AND METHODS FOR USE THEREOF FOR TREATMENT OF ACUTE ORGANOPHOSPHATE TOXICITY**
[54] **COMPRIMES SUBLINGUAUX A DESINTEGRATION RAPIDE DE SULFATE D'ATROPINE, PROCEDES DE FABRICATION, ET PROCEDE POUR LEUR UTILISATION POUR LE TRAITEMENT D'UNE TOXICITE AIGUE AUX ORGANOPHOSPHATES**
[72] RAWAS-QALAJI, MUTASEM, US
[72] AODAH, ALHUSSAIN, US
[71] NOVA SOUTHEASTERN UNIVERSITY, US
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[54] **LAMINATED NEEDLES AND METHODS OF MAKING AND USING SAME**
[54] **AIGUILLES STRATIFIEES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] PARHAM, TATE RAY, US
[71] TENEX HEALTH, INC., US
[85] 2017-04-03
[86] 2015-10-02 (PCT/US2015/053812)
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[54] **INSECTICIDAL POLYPEPTIDES HAVING BROAD SPECTRUM ACTIVITY AND USES THEREOF**
[54] **POLYPEPTIDES INSECTICIDES AYANT UN SPECTRE D'ACTIVITE LARGE ET LEURS UTILISATIONS**
[72] ABAD, ANDRE R., US
[72] CROW, ANDREW C., US
[72] POLAND, BRAD, US
[72] SHI, XIAOMEI, US
[72] WOLFE, THOMAS C., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[86] 2015-10-09 (PCT/US2015/054869)
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[25] EN
[54] **CLOSURE WITH A SLIDER FOR BAG**
[54] **FERMETURE DE SAC AVEC UN CURSEUR**
[72] ARMSTRONG, STEPHEN G., CA
[71] ARMSTRONG, STEPHEN G., CA
[85] 2017-04-03
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[51] **Int.Cl. G06F 15/16 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **SYSTEM, APPARATUS AND METHODS FOR ADAPTIVE DATA TRANSPORT AND OPTIMIZATION OF APPLICATION EXECUTION**
[54] **SYSTEME, APPAREIL ET PROCEDES DE TRANSPORT DE DONNEES ADAPTATIF ET D'OPTIMISATION D'EXECUTION D'APPLICATION**
[72] RAJEEV, DUTT, US
[71] DIMENSIONALMECHANICS, INC., US
[85] 2017-04-03
[86] 2015-10-09 (PCT/US2015/054871)
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[30] US (62/062,790) 2014-10-10

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[25] EN
[54] **INSECTICIDAL POLYPEPTIDES HAVING IMPROVED ACTIVITY SPECTRUM AND USES THEREOF**
[54] **POLYPEPTIDES INSECTICIDES AYANT UN SPECTRE D'ACTIVITE AMELIORE ET LEURS UTILISATIONS**
[72] IZUMI WILLCOXON, MICHI, US
[72] YAMAMOTO, TAKASHI, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2017-04-03
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[25] EN
[54] **SMALL ANTIBODY-LIKE POLYPEPTIDES THAT BIND TO EPHA2 RECEPTOR**
[54] **PETITS POLYPEPTIDES DE TYPE ANTICORPS QUI SE LIENT AU RECEPTEUR EPHA2**
[72] GEHLSEN, KURT R., US
[71] RESEARCH CORPORATION TECHNOLOGIES, INC., US
[85] 2017-04-03
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[30] US (62/068,471) 2014-10-24
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[25] EN
[54] **PREFORMED THERMOPLASTIC PAVEMENT MARKING AND METHOD FOR HIGH SKID RESISTANCE WITH MAINTAINED HIGH RETROREFLECTIVITY**
[54] **MARQUAGE DE CHAUSSEE THERMOPLASTIQUE PREFORMEE ET PROCEDE POUR RESISTANCE ELEVEE AU DERAPAGE AVEC RETROREFLECTIVITE ELEVEE MAINTENUE**
[72] YAKOPSON, SIMON, US
[72] GREER, ROBERT W., US
[71] FLINT TRADING, INC., US
[71] YAKOPSON, SIMON, US
[71] GREER, ROBERT W., US
[85] 2017-04-03
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[30] US (14/506,248) 2014-10-03

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[25] EN
[54] **SORBENTS FOR RECOVERY OF LITHIUM VALUES FROM BRINES**
[54] **SORBANTS POUR LA RECUPERATION DE VALEURS DE LITHIUM A PARTIR DE SAUMURES**
[72] CHENG, CHI HUNG, US
[72] NIEMAN, JAN, NL
[72] MARUS, GREGORY ALAN, US
[71] ALBEMARLE CORPORATION, US
[85] 2017-04-03
[86] 2015-10-16 (PCT/US2015/056095)
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[25] EN
[54] **PROCESS FOR CONCENTRATION OF LITHIUM CONTAINING SOLUTIONS**
[54] **PROCEDE POUR LA CONCENTRATION DE SOLUTIONS CONTENANT DU LITHIUM**
[72] SWITZER, JACKSON R., US
[72] COLONIUS, NEAL J., US
[72] CHENG, CHI HUNG, US
[72] DAUDEY, PIETER JOHANNES, NL
[71] ALBEMARLE CORPORATION, US
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[30] US (62/065,965) 2014-10-20

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[25] EN
[54] **A METHOD FOR TREATING ALKALINE BRINES**
[54] **PROCEDE DE TRAITEMENT DE SAUMURES ALCALINES**
[72] ARAKEL, AHARON, AU
[72] MOLONEY, GRANT, AU
[72] STARK, MICHAEL, AU
[72] THEOBALD, SAMANTHA, AU
[71] CRS INDUSTRIAL WATER TREATMENT SYSTEMS PTY LTD, AU
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[25] EN
[54] **VASODILATOR FORMULATION AND METHOD OF USE**
[54] **FORMULATION DE VASODILATATEUR ET PROCEDE D'UTILISATION**
[72] LEGGE, MATTHEW, AU
[71] ATP INSTITUTE PTY LTD, AU
[85] 2017-04-04
[86] 2014-11-04 (PCT/AU2014/050333)
[87] (WO2015/061860)
[30] AU (2013904256) 2013-11-04

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[25] EN
[54] **PAIN RELIEF FORMULATION AND METHOD OF TREATMENT**
[54] **FORMULATION ANALGESIQUE ET PROCEDE DE TRAITEMENT**
[72] LEGGE, MATTHEW, AU
[71] ATP INSTITUTE PTY LTD, AU
[85] 2017-04-04
[86] 2014-10-28 (PCT/AU2014/050314)
[87] (WO2015/061847)
[30] AU (2013904159) 2013-10-28

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[13] A1
[51] **Int.Cl. G09B 23/30 (2006.01) B29C 39/12 (2006.01) G09B 9/00 (2006.01)**
[25] EN
[54] **SURGICAL TRAINING PHANTOM WITH SPECTROSCOPICALLY DISTINCT REGIONS**
[54] **FANTOME DE FORMATION CHIRURGICALE AVEC DES ZONES SPECTROSCOPIQUEMENT DISTINCTES**
[72] KERINS, FERGAL, CA
[72] PIRON, CAMERON, CA
[72] YUWARAJ, MURUGATHAS, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-04-04
[86] 2014-11-10 (PCT/CA2014/051080)
[87] (WO2016/074061)

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[13] A1
[51] **Int.Cl. C09D 191/06 (2006.01) C09D 123/08 (2006.01) C09D 133/00 (2006.01) D21H 17/04 (2006.01) D21H 17/35 (2006.01) D21H 17/37 (2006.01) D21H 17/60 (2006.01) D21H 23/22 (2006.01)**
[25] EN
[54] **WET COATING COMPOSITIONS FOR PAPER SUBSTRATES, PAPER SUBSTRATES COATED WITH THE SAME AND PROCESS FOR COATING A PAPER SUBSTRATE WITH THE SAME**
[54] **COMPOSITIONS DE REVETEMENT PAR VOIE HUMIDE POUR SUBSTRATS DE PAPIER, SUBSTRATS DE PAPIER REVETUS PAR CELLES-CI ET PROCEDE DE REVETEMENT D'UN SUBSTRAT DE PAPIER PAR CELLE-CI**
[72] MONGRAIN, YVON, CA
[72] TURGEON, GUILLAUME, CA
[71] CASCADES SONOCO INC., CA
[85] 2017-04-04
[86] 2014-11-18 (PCT/CA2014/051098)
[87] (WO2016/077907)

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[13] A1
[51] **Int.Cl. B21D 24/02 (2006.01) B21D 22/02 (2006.01)**
[25] EN
[54] **STAMPING PRESS BOLSTER ADAPTOR FOR SUITING DIFFERENT DIE BINDER PIN PATTERNS**
[54] **ADAPTATEUR POUR SUPPORT DE MATRICE DE PRESSE D'ESTAMPAGE CONCU POUR S'ADAPTER A DIFFERENTS MOTIFS DE GOUPILLES DE BLOQUEUR DE MATRICE**
[72] AMATANGELO, CARMINE, CA
[72] MUTTON, WAYNE, CA
[72] O'GRADY, KEVIN, CA
[72] THANG, TOM, CA
[72] VANWEESEL, NIC, CA
[71] MAGNA INTERNATIONAL INC., CA
[85] 2017-04-04
[86] 2015-10-05 (PCT/CA2015/051003)
[87] (WO2016/054731)
[30] US (62/060,185) 2014-10-06

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[13] A1
[51] **Int.Cl. G01S 5/00 (2006.01) B25J 19/02 (2006.01) G01S 5/16 (2006.01) G05D 1/02 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ORIENTATION AND POSITIONING**
[54] **DISPOSITIF ET PROCEDE D'ORIENTATION ET DE POSITIONNEMENT**
[72] LOHBIHLER, ANDREW H., CA
[72] KOSIC, MICHAEL, CA
[72] BURTEA, VALENTIN M., CA
[71] XYZ INTERACTIVE TECHNOLOGIES INC., CA
[85] 2017-04-04
[86] 2015-10-06 (PCT/CA2015/051012)
[87] (WO2016/054736)
[30] US (62/060,769) 2014-10-07

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **BIOSENSOR BASED ON G-BETA-GAMMA-INTERACTING PROTEINS TO MONITOR G-PROTEINS ACTIVATION**
[54] **BIOCAPTEUR FAISANT APPEL A DES PROTEINES INTERAGISSANT AVEC LA G-BETA-GAMMA POUR SURVEILLER L'ACTIVATION DE LA PROTEINE G**
[72] BOUVIER, MICHEL, CA
[72] HOGUE, MIREILLE, CA
[72] LE GOUILL, CHRISTIAN, CA
[72] LUKASHEVA, VIKTORIYA, CA
[71] UNIVERSITE DE MONTREAL, CA
[85] 2017-04-04
[86] 2015-10-14 (PCT/CA2015/051032)
[87] (WO2016/058094)
[30] US (62/063,622) 2014-10-14

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[13] A1
[51] **Int.Cl. H04L 12/70 (2013.01)**
[25] EN
[54] **DATA FORWARDING METHOD, DEVICE, AND SYSTEM IN SOFTWARE-DEFINED NETWORKING**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSFERT DE DONNEES DANS UN RESEAUTAGE DEFINI PAR LOGICIEL**
[72] ZUO, SHAOFU, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-04-04
[86] 2014-12-17 (PCT/CN2014/094136)
[87] (WO2016/095141)

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CRYSTAL FORM OF BISULFATE OF JAK INHIBITOR AND PREPARATION METHOD THEREFOR**
[54] **FORME CRISTALLINE DE BISULFATE D'INHIBITEUR DE JAK ET SON PROCEDE DE PREPARATION**
[72] SUN, PIAOYANG, CN
[72] WU, GUAILI, CN
[72] GAO, XIAOHUI, CN
[72] CHEN, YONGJIANG, CN
[72] SHEN, LINGJIA, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2017-04-04
[86] 2015-09-09 (PCT/CN2015/089223)
[87] (WO2016/054959)
[30] CN (201410529863.8) 2014-10-09

[21] **2,963,583**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01)**
[25] EN
[54] **FPGA BASED DATA AND CURRENCY EXCHANGE**
[54] **ECHANGE DE DONNEES ET DE DEVISES SUR UNE BASE FPGA**
[72] ROOKE, TODD, US
[72] WOOD, GRANT, US
[72] ROGNESS, JOE B., US
[72] KNIGHTON, JOEL, US
[72] WILKINSON, TIMOTHY P., US
[71] SRC LABS, LLC, US
[85] 2017-04-03
[86] 2015-10-05 (PCT/US2015/054095)
[87] (WO2016/054661)
[30] US (62/059,783) 2014-10-03

[21] **2,963,588**
[13] A1
[51] **Int.Cl. F16L 53/00 (2006.01)**
[25] EN
[54] **AN ASSEMBLY COMPRISING AN END-FITTING AND AN UNBONDED FLEXIBLE PIPE**
[54] **ENSEMBLE COMPRENANT UN EMBOUT ET UN TUYAU FLEXIBLE NON LIE**
[72] LARSEN, TOM, DK
[72] HOLST, THORSTEN, DK
[71] NATIONAL OILWELL VARCO DENMARK I/S, DK
[85] 2017-04-04
[86] 2015-10-14 (PCT/DK2015/050318)
[87] (WO2016/062319)
[30] DK (PA 2014 00596) 2014-10-20
[30] DK (PA 2015 70510) 2015-08-10

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[21] **2,963,604**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **NANOPORE-BASED POLYMER ANALYSIS WITH MUTUALLY-QUENCHING FLUORESCENT LABELS**
[54] **ANALYSE DE POLYMERES, A BASE DE NANOPORE, A L'AIDE DE MARQUEURS FLUORESCENTS A DESACTIVATION MUTUELLE**
[72] HUBER, MARTIN, US
[71] QUANTAPORE, INC., US
[85] 2017-04-03
[86] 2015-10-08 (PCT/US2015/054756)
[87] (WO2016/057829)
[30] US (62/062,256) 2014-10-10

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/5377 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **HEPARAN SULFATE BIOSYNTHESIS INHIBITORS FOR THE TREATMENT OF DISEASES**
[54] **INHIBITEURS DE BIOSYNTHESE D'HEPARANE SULFATE POUR TRAITER DES MALADIES**
[72] BHAGWAT, SHRIPAD, US
[72] WANG, BING, US
[72] LUEDTKE, GREGORY R., US
[72] SPYVEE, MARK, US
[71] BIOMARIN PHARMACEUTICAL INC., US
[85] 2017-04-03
[86] 2015-10-08 (PCT/US2015/054761)
[87] (WO2016/057834)
[30] US (62/062,036) 2014-10-09

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[13] A1
[51] **Int.Cl. A01N 63/02 (2006.01) C07K 14/325 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **INSECTICIDAL POLYPEPTIDES HAVING BROAD SPECTRUM ACTIVITY AND USES THEREOF**
[54] **POLYPEPTIDES INSECTICIDES A LARGE SPECTRE D'ACTIVITE ET LEURS UTILISATIONS**
[72] ABAD, ANDRE R., US
[72] DONG, HUA, US
[72] KAPKA-KITZMAN, DEIRDRE M., US
[72] LO, SUE B., US
[72] SHI, XIAOMEI, US
[72] WANG, JIMEI, US
[72] WOLFE, THOMAS CHAD, US
[72] ZHOU, LAN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2017-04-03
[86] 2015-10-09 (PCT/US2015/054856)
[87] (WO2016/060948)
[30] US (62/064,712) 2014-10-16

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[13] A1
[51] **Int.Cl. A63F 13/00 (2014.01) A63F 13/35 (2014.01) H04L 29/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR GENERATING INTERACTIVE VIRTUAL ENVIRONMENTS**
[54] **SYSTEME ET PROCEDES DESTINES A GENERER DES ENVIRONNEMENTS VIRTUELS INTERACTIFS**
[72] RAJEEV, DUTT, US
[71] DIMENSIONALMECHANICS, INC., US
[85] 2017-04-03
[86] 2015-10-09 (PCT/US2015/054867)
[87] (WO2016/057885)
[30] US (62/062,790) 2014-10-10

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[13] A1
[51] **Int.Cl. G21C 1/03 (2006.01) G21C 1/14 (2006.01) G21C 7/04 (2006.01) G21C 19/31 (2006.01)**
[25] EN
[54] **REACTIVITY CONTROL IN A MOLTEN SALT REACTOR**
[54] **REGULATION DE REACTIVITE DANS UN REACTEUR A SELS FONDUS**
[72] SCOTT, IAN RICHARD, GB
[71] SCOTT, IAN RICHARD, GB
[85] 2017-04-04
[86] 2015-03-09 (PCT/GB2015/050673)
[87] (WO2016/059364)
[30] GB (1418030.1) 2014-10-12
[30] GB (1419068.0) 2014-10-27

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[13] A1
[51] **Int.Cl. A47C 27/00 (2006.01) A47C 31/00 (2006.01)**
[25] EN
[54] **FIELD ADJUSTABLE MATTRESS SYSTEM AND METHOD**
[54] **SYSTEME DE MATELAS AJUSTABLE EN SERVICE ET PROCEDE ASSOCIE**
[72] PROCHAZKA, ANDREW ANTONY, CA
[72] PROCHAZKA, SAMUEL WILLIAM, US
[71] PROCHAZKA, ANDREW ANTONY, CA
[71] PROCHAZKA, SAMUEL WILLIAM, US
[85] 2017-04-04
[86] 2015-10-09 (PCT/IB2015/002128)
[87] (WO2016/055863)
[30] US (62/062,498) 2014-10-10
[30] US (62/155,790) 2015-05-01
[30] US (14/739,509) 2015-06-15

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[13] A1
[51] **Int.Cl. B65D 1/02 (2006.01) B65D 21/032 (2006.01)**
[25] EN
[54] **MULTI-FUNCTION CONTAINER BASE**
[54] **BASE DE RECIPIENT MULTIFONCTION**
[72] BATES, PETER A., US
[72] MCFARLANE, RONALD, US
[71] AMCOR LIMITED, AU
[85] 2017-04-04
[86] 2014-10-17 (PCT/US2014/061096)
[87] (WO2016/060680)

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[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **GAIN SCHEDULING BASED TOOLFACE CONTROL SYSTEM FOR A ROTARY STEERABLE DRILLING TOOL**
[54] **SYSTEME DE COMMANDE DE FACE DE COUPE BASE SUR LA PROGRAMMATION DE GAIN POUR UN OUTIL DE FORAGE ORIENTABLE ROTATIF**
[72] GE, XIAOQING, US
[72] VADALI, VENKATA MADHUKANTH, US
[72] DYKSTRA, JASON D., US
[72] SONG, XINGYONG, US
[72] XUE, YUZHEN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-04-04
[86] 2014-11-10 (PCT/US2014/064850)
[87] (WO2016/076829)

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[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) G08B 25/10 (2006.01)**
[25] EN
[54] **CONDITION RESPONSIVE INDICATION ASSEMBLY AND METHOD**
[54] **ENSEMBLE ET PROCEDE D'INDICATION REPONDANT A UN ETAT**
[72] DEY, SAIKAT, US
[72] REEPMEYER, GERRIT, US
[72] SENGUPTA, ANUPAN, US
[72] ZHAVORONKOV, MIKHAIL, US
[71] OCKHAM RAZOR VENTURES, LLC, US
[85] 2017-04-04
[86] 2015-03-16 (PCT/US2015/020743)
[87] (WO2016/060708)
[30] US (14/517,385) 2014-10-17
[30] US (14/590,596) 2015-01-06

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[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61F 2/00 (2006.01) A61M 5/19 (2006.01) A61L 24/00 (2006.01)**
[25] EN
[54] **A DEVICE AND METHOD FOR STORING AND MIXING A BONE CEMENT**
[54] **DISPOSITIF ET PROCEDE SERVANT A STOCKER ET MELANGER UN CIMENT ORTHOPEDIQUE**
[72] VOGT, SEBASTIAN, DE
[71] HERAEUS MEDICAL GMBH, DE
[22] 2016-09-20
[41] 2017-04-02
[30] DE (10 2015 116 797.2) 2015-10-02

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[21] **2,943,192**
[13] A1
[51] **Int.Cl. F16M 11/08 (2006.01)**
[25] EN
[54] **ROTATABLE PLATTER FOR A MONITOR HAVING A PASSAGE FOR WIRING AND A STOPPER**
[54] **PLATEAU ROTATIF DESTINE A UN MONITEUR COMPORTANT UN PASSAGE DE CABLE ET UNE BUTEE**
[72] CHOQUETTE, SAMUEL, CA
[71] CHOQUETTE, SAMUEL, CA
[22] 2016-09-27
[41] 2017-04-03
[30] GB (1517487.3) 2015-10-03

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[13] A1
[51] **Int.Cl. C04B 41/91 (2006.01)**
[25] EN
[54] **METHOD FOR COATING REMOVAL**
[54] **METHODE D'ENLEVEMENT DE REVETEMENT**
[72] WAN, JULIN, US
[72] CAO, HONGBO, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-09-29
[41] 2017-04-08
[30] US (14/878,192) 2015-10-08

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[21] **2,943,510**
[13] A1
[51] **Int.Cl. C04B 41/89 (2006.01)**
[25] EN
[54] **ARTICLES WITH ENHANCED TEMPERATURE CAPABILITY**
[54] **ARTICLES A CAPACITE THERMIQUE AMELIOREE**
[72] WAN, JULIN, US
[72] LIPKIN, DON MARK, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-09-29
[41] 2017-04-08
[30] US (14/878,000) 2015-10-08

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[21] **2,955,957**
[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/5365 (2006.01)**
[25] EN
[54] **SYNTHESIS OF CARBAMOYLPYRIDONE HIV INTEGRASE INHIBITORS AND INTERMEDIATES**
[54] **SYNTHESE D'INHIBITEURS CARBAMOYLPYRIDONE DE L'INTEGRASE DU VIH ET INTERMEDIAIRES**
[72] YOSHIDA, HIROSHI, JP
[72] TOADA, YOSHIYUKI, JP
[72] JOHNS, BRIAN ALVIN, US
[72] KAWASUJI, TAKASHI, JP
[72] NAGAMATSU, DAIKI, JP
[71] SHIONOGI & CO., LTD., JP
[71] VIIV HEALTHCARE COMPANY, US
[22] 2009-12-08
[41] 2010-06-17
[62] 2,744,019
[30] US (61/193,634) 2008-12-11

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[13] A1
[51] **Int.Cl. A61K 47/34 (2017.01) A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 31/569 (2006.01) A61K 31/573 (2006.01)**
[25] EN
[54] **CORTICOSTEROIDS FOR THE TREATMENT OF JOINT PAIN**
[54] **CORTICOSTEROIDES POUR LE TRAITEMENT DE LA DOULEUR ARTICULAIRE**
[72] BODICK, NEIL, US
[72] BLANKS, ROBERT C., US
[72] KUMAR, ANJALI, US
[72] CLAYMAN, MICHAEL D., US
[72] MORAN, MARK, US
[71] FLEXION THERAPEUTICS, INC., US
[22] 2011-08-04
[41] 2012-02-09
[62] 2,807,150
[30] US (61/370,666) 2010-08-04

[21] **2,956,647**
[13] A1
[51] **Int.Cl. C07D 491/20 (2006.01) A61K 31/407 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **SPIRO-OXINDOLE COMPOUNDS AND THEIR USES AS THERAPEUTIC AGENTS**
[54] **COMPOSES DE SPIRO-OXINDOLE ET UTILISATIONS ASSOCIEES EN TANT QU'AGENTS THERAPEUTIQUES**
[72] CHAFEEV, MIKHAIL, RU
[72] CHOWDHURY, SULTAN, CA
[72] FRASER, ROBERT, CA
[72] FU, JIANMIN, CA
[72] KAMBOJ, RAJENDER K., CA
[72] HOU, DUANJIE, US
[72] LIU, SHIFENG, CA
[72] SVIRIDOV, SERGUEI V., CA
[72] SUN, SHAOYI, CA
[72] SUN, JIANYU, CA
[72] CHAKKA, NAGASREE, US
[72] HSIEH, TOM, CA
[72] RAINA, VANDNA, IN
[72] BAGHERZADEH, MEHRAN SEID, CA
[71] XENON PHARMACEUTICALS INC., CA
[22] 2006-04-11
[41] 2006-10-19
[62] 2,853,635
[30] US (60/670,896) 2005-04-11

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[13] A1
[51] **Int.Cl. C07K 5/062 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL CONJUGATES OF CC-1065 ANALOGS AND BIFUNCTIONAL LINKERS**
[54] **NOUVEAUX CONJUGUES D'ANALOGUES DE CC-1065 ET LINKERS BIFONCTIONNELS**
[72] BEUSKER, PATRICK HENRY, NL
[72] COUMANS, RUDY GERARDUS ELISABETH, NL
[72] ELGERSMA, RONALD CHRISTIAAN, NL
[72] MENGE, WIRO MICHAEL PETRUS BERNARDUS, NL
[72] JOOSTEN, JOHANNES ALBERTUS FREDERIKUS, NL
[72] SPIJKER, HENRI JOHANNES, NL
[72] DE GROOT, FRANCISCUS MARINUS HENDRIKUS, NL
[71] SYNTARGA B.V., NL
[22] 2011-04-21
[41] 2011-10-27
[62] 2,796,712
[30] US (61/326,437) 2010-04-21
[30] US (61/421,824) 2010-12-10

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/454 (2006.01) A61K 31/4725 (2006.01) A61K 31/517 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **ISOINDOLINE COMPOUNDS FOR USE IN THE TREATMENT OF CANCER**
[54] **COMPOSES D'ISOINDOLINE UTILISABLES DANS LE CADRE DU TRAITEMENT DU CANCER**
[72] MULLER, GEORGE W., US
[72] RUCHELMAN, ALEXANDER L., US
[71] CELGENE CORPORATION, US
[22] 2009-10-26
[41] 2010-05-14
[62] 2,741,299
[30] US (61/109,475) 2008-10-29

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[13] A1
[51] **Int.Cl. C07C 209/60 (2006.01)**
[25] EN
[54] **COMBINATIONS OF ESZOPICLONE AND TRANS 4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-N-METHYL-1-NAPTHALENAMINE OR TRANS 4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-1-NAPTHALENAMINE, AND METHODS OF TREATMENT OF MENOPAUSE AND MOOD, ANXIETY, AND COGNITIVE DISORDERS**
[54] **COMBINAISONS D'ESZOPICLONE ET DE TRANS 4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-N-METHYL-1-NAPHTALENAMINE OR TRANS 4-(3,4-DICHLOROPHENYL)-1,2,3,4-TETRAHYDRO-1-NAPHTALENAMINE, ET METHODES DE TRAITEMENT DE LA MENOPAUSE ET DES TROUBLES DE L'HUMEUR, DE L'ANXIETE ET TROUBLES COGNITIFS**
[72] CARON, JUDY, US
[72] WESSEL, THOMAS, US
[72] LALJI, KARIM, US
[72] VARNEY, MARK, US
[72] BAKALE, ROGER P., US
[72] SINGH, SURENDRA P., US
[72] WILKINSON, H. SCOTT, US
[72] SU, XIPING, US
[72] HAN, ZHENGXU, US
[72] KOENIG, STEFAN G., US
[71] SEPRACOR INC., US
[22] 2006-07-06
[41] 2007-01-11
[62] 2,614,282
[30] US (60/697,013) 2005-07-06

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[13] A1
[51] **Int.Cl. B09C 1/02 (2006.01) B09C 1/08 (2006.01)**
[25] EN
[54] **SOIL REMEDIATION METHOD AND COMPOSITION**
[54] **METHODE ET COMPOSITION DE REHABILITATION DU SOL**
[72] HOAG, GEORGE E., US
[72] COLLINS, JOHN, US
[71] ETHICAL SOLUTIONS, LLC, US
[22] 2007-03-27
[41] 2007-11-08
[62] 2,647,541
[30] US (60/785,972) 2006-03-27

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[13] A1
[51] **Int.Cl. C07D 209/16 (2006.01) A61K 9/00 (2006.01) A61K 31/4045 (2006.01) A61L 27/54 (2006.01) A61L 31/16 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS INVOLVING (S)-BUCINDOLOL**
[54] **METHODES ET COMPOSITIONS METTANT EN JEU DU (S)-BUCINDOLOL**
[72] BRISTOW, MICHAEL R., US
[72] PORT, JONATHAN D., US
[71] ARCA BIOPHARMA, INC., US
[22] 2009-01-27
[41] 2010-02-04
[62] 2,732,513
[30] US (61/085,586) 2008-08-01

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[21] **2,960,570**
[13] A1
[51] **Int.Cl. A61K 47/18 (2017.01) A61K 31/713 (2006.01) C12N 15/87 (2006.01) C12N 15/113 (2010.01) C12N 15/10 (2006.01)**
[25] EN
[54] **NOVEL REAGENTS FOR TRANSFECTION OF EUKARYOTIC CELLS**
[54] **REACTIFS INNOVANTS POUR LA TRANSFECTION DE CELLULES EUCARYOTES**
[72] JESSEE, JOEL, US
[72] GEBEYEHU, GULILAT, US
[71] MOLECULAR TRANSFER, INC., US
[22] 2006-05-17
[41] 2007-11-15
[62] 2,651,389
[30] US (60/746,604) 2006-05-05
[30] US (60/746,858) 2006-05-09
[30] US (60/746,854) 2006-05-09

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[21] **2,960,667**
[13] A1
[51] **Int.Cl. C07D 211/60 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF PROCESS INTERMEDIATES FOR THE SYNTHESIS OF ARGATROBAN MONOHYDRATE**
[54] **PROCEDE DE PREPARATION D'INTERMEDIAIRES DE PROCEDE POUR LA SYNTHESE DE L'ARGATROBAN MONOHYDRATE**
[72] STIVANELLO, MARIANO, IT
[72] HUBER, FLORIAN ANTON MARTIN, IT
[72] RICCI, ANTONIO, IT
[71] LUNDBECK PHARMACEUTICALS ITALY S.P.A., IT
[22] 2012-03-26
[41] 2012-10-11
[62] 2,831,987
[30] IT (MI2011A000545) 2011-04-04

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[21] **2,961,303**
[13] A1
[51] **Int.Cl. H04H 60/73 (2009.01) H04H 60/32 (2009.01) H04H 60/48 (2009.01) H04H 60/63 (2009.01) H04N 21/237 (2011.01) H04N 21/478 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO IDENTIFY INTENTIONALLY PLACED PRODUCTS**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION DE PRODUITS INTEGRES DE MANIERE INTENTIONNELLE**
[72] HARKNESS, DAVID H., US
[72] RAMASWAMY, ARUN, US
[71] THE NIELSEN COMPANY (US), LLC, US
[22] 2008-03-14
[41] 2008-10-02
[62] 2,687,691
[30] US (60/896,389) 2007-03-22

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[21] **2,961,317**
[13] A1
[51] **Int.Cl. H01B 11/06 (2006.01)**
[25] EN
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[54] **CABLE DE DONNEES A GRANDE VITESSE PEU COUTEUX PRESENTANT DES CARACTERISTIQUES AMELIOREES**
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[72] MURPHY, GERALD DONAL, IE
[72] GOWAN, DAVID WILLIAM, IE
[71] SPECTRA7 MICROSYSTEMS (IRELAND) LIMITED, IE
[22] 2011-07-12
[41] 2012-01-13
[62] 2,745,916
[30] US (12/805,103) 2010-07-13
[30] US (12/805,101) 2010-07-13
[30] US (13/064,044) 2011-03-03
[30] US (13/064,042) 2011-03-03
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[30] US (13/064,040) 2011-03-03
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[21] **2,961,890**
[13] A1
[51] **Int.Cl. A46B 11/00 (2006.01) A61C 17/22 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS, METHODS, DEVICES AND SYSTEMS**
[54] **COMPOSITIONS, PROCEDES, DISPOSITIFS ET SYSTEMES POUR SOINS BUCCAUX**
[72] ALDEN, WAYNE STUART, IV, US
[72] TYNDALL, DAVID VIVIAN, US
[72] DODD, KENNETH TRAVIS, US
[72] ZSISKA, MARIANNE, US
[72] BROWN, WILLIAM RALPH, JR., US
[72] CHENVAINU, ALEXANDER TIMOTHY, US
[72] CHRISTMAN, THOMAS AURELE, US
[72] DUCHARME, JEREMY WAYNE, US
[72] FARRELL, MARK EDWARD, US
[72] SAGEL, PAUL ALBERT, US
[72] JAKUBOVIC, DAVID ANDREW, US
[71] THE GILLETTE COMPANY LLC, US
[22] 2006-12-01
[41] 2007-06-07
[62] 2,880,387
[30] US (60/741,991) 2005-12-02

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[13] A1
[51] **Int.Cl. B64D 11/06 (2006.01) A47C 1/00 (2006.01) A47C 3/12 (2006.01) A47C 5/12 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT AIRCRAFT PASSENGER SEAT ASSEMBLY**
[54] **ENSEMBLE DE SIEGE DE PASSAGER POUR AERONEF LEGER**
[72] HALL, PHIL, DE
[72] BELL, DUNCAN, DE
[72] PASSARI, ROCCO, DE
[71] CIPO, CA
[71] COMPOSITE DESIGNS EU GMBH, DE
[22] 2014-02-17
[41] 2014-08-19
[62] 2,843,059
[30] EP (13000841.0) 2013-02-19

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[21] **2,962,217**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) H04B 10/116 (2013.01) H05B 37/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND APPARATUS FOR LIGHT-BASED SOCIAL COMMUNICATIONS**
[54] **SYSTEMES ET APPAREIL POUR COMMUNICATIONS SOCIALES FONDEES SUR LA LUMIERE**
[72] KETELAARS, LOUIS, NL
[72] LOVELAND, DAMIEN, NL
[72] VAN DER POEL, LUCAS LEO DESIREE, NL
[72] BERGMAN, ANTHONIE HENDRIK, NL
[72] BERKVENS, WINFRIED ANTONIUS HENRICUS, NL
[72] YORK, ALLAN BRENT, NL
[71] PHILIPS LIGHTING HOLDING B.V., NL
[22] 2010-04-01
[41] 2010-10-28
[62] 2,759,460
[30] US (61/171,543) 2009-04-22

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[21] **2,962,290**
[13] A1
[51] **Int.Cl. H04N 19/96 (2014.01)**
[25] EN
[54] **VIDEO-ENCODING METHOD AND VIDEO-ENCODING APPARATUS BASED ON ENCODING UNITS DETERMINED IN ACCORDANCE WITH A TREE STRUCTURE, AND VIDEO-DECODING METHOD AND VIDEO-DECODING APPARATUS BASED ON ENCODING UNITS DETERMINED IN ACCORDANCE WITH A TREE STRUCTURE**
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[72] MIN, JUNG-HYE, KR
[72] HAN, WOO-JIN, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2011-04-13
[41] 2011-10-20
[62] 2,796,364
[30] US (61/323,449) 2010-04-13

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[21] **2,962,519**
[13] A1
[51] **Int.Cl. C12N 15/13 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **NOVEL FULLY HUMAN ANTI-VAP-1 MONOCLONAL ANTIBODIES**
[54] **NOUVEAUX ANTICORPS MONOCLONAUX ANTI-VAP-1 ENTIEREMENT HUMAINS**
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[72] VAINIO, PETRI, FI
[72] MIKKOLA, JARI, FI
[72] VUORIO, PAEIVI, FI
[72] VAINIO, JANI, FI
[71] BIOTIE THERAPIES CORPORATION, FI
[22] 2008-04-17
[41] 2008-10-30
[62] 2,683,079
[30] US (60/907,904) 2007-04-20
[30] FI (20075278) 2007-04-20

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[21] **2,962,694**
[13] A1
[51] **Int.Cl. E02F 5/08 (2006.01) E02F 5/10 (2006.01) F16L 1/032 (2006.01) H02G 1/06 (2006.01) H02G 9/02 (2006.01)**
[25] EN
[54] **LAYING AND PROTECTING CABLE INTO EXISTING COVERING SURFACES**
[54] **DEPOSE ET PROTECTION DE CABLE DANS DES SURFACES DE RECOUVREMENT EXISTANTES**
[72] MILLER, DANIEL PAUL, US
[71] CERTUSVIEW TECHNOLOGIES, LLC, US
[22] 2010-09-23
[41] 2011-03-31
[62] 2,774,988
[30] US (61/244,954) 2009-09-23

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[21] **2,962,800**
[13] A1
[51] **Int.Cl. G06F 17/27 (2006.01) G06F 17/24 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING DOCUMENTS**
[54] **SYSTEMES ET PROCEDES POUR ANALYSER DES DOCUMENTS**
[72] ELIAS, BRIAN K., US
[72] MORRISE, MATTHEW C., US
[72] CHAUHAN, OM, US
[72] WANG, NINGJUN, US
[71] LEXISNEXIS GROUP, US
[22] 2008-05-08
[41] 2008-11-20
[62] 2,686,900
[30] US (60/924,310) 2007-05-09

[21] **2,962,856**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A01H 5/00 (2006.01) C07K 14/00 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/54 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **OPTIMIZED NON-CANONICAL ZINC FINGER PROTEINS**
[54] **PROTEINES A DOIGTS DE ZINC NON CANONIQUES OPTIMISES**
[72] CAI, QIHUA C., US
[72] MILLER, JEFFREY, US
[72] URNOV, FYODOR, US
[72] SHUKLA, VIPULA K., US
[72] PETOLINO, JOSEPH F., US
[72] BAKER, LISA W., US
[72] GARRISON, ROBBI J., US
[72] BLUE, RYAN C., US
[72] MITCHELL, JON C., US
[72] ARNOLD, NICOLE L., US
[72] WORDEN, SARAH E., US
[71] DOW AGROSCIENCES LLC, US
[71] SANGAMO BIOSCIENCES, INC., US
[22] 2007-12-13
[41] 2008-06-26
[62] 2,669,746
[30] US (60/874,911) 2006-12-14
[30] US (60/932,497) 2007-05-30

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[21] **2,962,979**
[13] A1
[51] **Int.Cl. E21B 33/138 (2006.01) B82Y 30/00 (2011.01)**
[25] EN
[54] **SEALANT COMPOSITIONS AND METHODS UTILIZING NANO-PARTICLES**
[54] **COMPOSITIONS DE MATIERE D'ETANCHEITE ET PROCEDES CORRESPONDANTS UTILISANT DES NANOPARTICULES**
[72] RODDY, CRAIG WAYNE, US
[72] COVINGTON, RICKY L., US
[71] HALLIBURTON ENERGY DEVICES, INC., US
[22] 2010-09-24
[41] 2011-03-31
[62] 2,873,296
[30] US (12/567,783) 2009-09-27

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[21] **2,962,985**
[13] A1
[51] **Int.Cl. B60W 30/19 (2012.01) B60W 50/14 (2012.01) B60K 20/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING DRIVER SHIFT AIDS**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR A UN CONDUCTEUR DES AIDES AU CHANGEMENT DE RAPPORT**
[72] OLSEN, STEPHAN, US
[72] OTT, ETHAN A., US
[72] SLATON, ZACHARY, US
[72] NIEVELSTEIN, MARK, NL
[71] PACCAR INC, US
[22] 2012-08-08
[41] 2013-02-14
[62] 2,844,409
[30] US (13/205,432) 2011-08-08

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[21] **2,963,009**
[13] A1
[51] **Int.Cl. B60W 10/20 (2006.01) B60K 17/00 (2006.01) B60W 10/04 (2006.01) B62D 11/18 (2006.01)**
[25] EN
[54] **STEERING SYSTEMS, STEERING AND SPEED COORDINATION SYSTEMS, AND ASSOCIATED VEHICLES**
[54] **SYSTEMES DE DIRECTION, SYSTEMES PERMETTANT DE COORDONNER LA DIRECTION ET LA VITESSE ET VEHICULES ASSOCIES**
[72] SCHAEDLER, AXEL, US
[72] HAUSER, HANS, US
[72] RUEBUSCH, RICK, US
[72] CORNWELL, IAN DAVID, GB
[72] GREENWOOD, CHRIS, GB
[71] MTD PRODUCTS INC, US
[22] 2006-07-21
[41] 2007-02-01
[62] 2,616,287
[30] US (60/701,716) 2005-07-22
[30] US (60/710,231) 2005-08-22
[30] US (60/731,593) 2005-10-28

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[21] **2,963,100**
[13] A1
[51] **Int.Cl. F16L 59/147 (2006.01) F16L 9/19 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **PREFABRICATED, MODULAR, FIRE RESISTANCE AND NON-FIRE RESISTANCE RATED VENTILATION DUCT ASSEMBLY WITH INTEGRAL SUBDUCTS**
[54] **ENSEMBLE DE CONDUITS DE VENTILATION PREFABRIQUES, CALCULES RESISTANTS AU FEU ET NON RESISTANTS AU FEU, DOTES DE SOUS-CONDUITS INTEGRES**
[72] EDGAR, GLEN A., US
[72] PRIDEMORE, CLARK E., US
[72] PAGE, KEITH E., US
[71] HART & COOLEY, INC., US
[22] 2015-09-08
[41] 2016-03-10
[62] 2,903,540
[30] US (14/483,067) 2014-09-10

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[21] **2,963,102**
[13] A1
[51] **Int.Cl. B60P 1/64 (2006.01)**
[25] EN
[54] **FRACTURE SAND SILO SYSTEM AND METHODS OF DEPLOYMENT AND RETRACTION OF SAME**
[54] **SYSTEME DE SILO DE SABLE DE FRACTURE ET METHODES DE DEPLOIEMENT ET DE RETRACTION DE CELUI-CI**
[72] MCIVER, TERRY, US
[72] CUNNINGHAM, JOHN, US
[71] SOLARIS OILFIELD SITE SERVICES OPERATING LLC, US
[22] 2012-10-23
[41] 2013-05-02
[62] 2,851,290
[30] US (61/550,776) 2011-10-24
[30] US (61/661,044) 2012-06-18

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[21] **2,963,138**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C12N 5/0783 (2010.01) C07K 7/08 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **REGULATORY T CELL EPITOPES, COMPOSITIONS AND USES THEREOF**
[54] **EPITOPES DE LYMPHOCYTES T REGULATEURS, COMPOSITIONS ET UTILISATIONS DE CEUX-CI**
[72] DE GROOT, ANNE, US
[72] MARTIN, WILLIAM, US
[72] RIVERA, DAN, US
[71] EPIVAX, INC., US
[22] 2008-01-29
[41] 2008-08-07
[62] 2,915,168
[30] US (60/898,347) 2007-01-30

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[21] **2,963,230**
[13] A1
[51] **Int.Cl. B23C 3/00 (2006.01) B23C 3/16 (2006.01)**
[25] EN
[54] **ELBOW FORMED BY CUTTING AND METHOD FOR MANUFACTURING SAME**
[54] **COUDE FORME PAR DECOUPE ET SON PROCEDE DE FABRICATION**
[72] HORIGUCHI, NOBUO, JP
[71] NODA KANAGATA CO., LTD., JP
[71] HORIGUCHI, KEIKO, JP
[22] 2010-06-28
[41] 2012-01-05
[62] 2,805,935

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HELMES, JOHN	2,753,697
HELMORE, SIMON C.	2,713,028
HENDRIKX, GODEFRIDUS HENDRIKUS THEODORUS FRANCISCUS	2,769,467
HENKEL AG & CO. KGAA	2,747,936
HENKEL AG & CO. KGAA	2,762,644
HENKEL AG & CO. KGAA	2,775,331
HENON, CHRISTINE	2,760,015
HENRY, JIM W.	2,723,351
HERED, WILLIAM A.	2,843,604
HERN, GREGORY LEE	2,872,403
HERNANDEZ, ROLANDO	2,697,191
HERRIN, BRANTLEY R.	2,659,574
HERZER, ERIC	2,776,201
HEYMANN, DOMINIQUE	2,711,141
HILDEBRAND, ARNO	2,814,438
HILL PHOENIX, INC.	2,739,317
HILL, DAVID JOHN	2,760,662
HILL, LESLIE G.	2,642,174
HILTI AKTIENGESELLSCHAFT	2,718,324
HINDBO, MONTE W.	2,897,786
HIRANO, HIROMI	2,875,392
HITACHI ZOSEN CORPORATION	2,773,060
HOGAN, DONALD	2,854,010
HOLEMANS, PETER	2,859,329
HOLLANDER, PHILIP	2,894,693
HOLLEY, ERIC	2,806,092
HOME PRODUCTS INTERNATIONAL - NORTH AMERICA, INC.	2,697,191
HOMMA, NORIYASU	2,744,005
HONEYWELL INTERNATIONAL INC.	2,714,307
HONEYWELL INTERNATIONAL INC.	2,864,362
HOOPES, STEVEN	2,708,992
HORN, GREGORY	2,718,604
HOTEIT, ALI	2,767,073
HOTTER, ANDREAS	2,704,536
HOU, CUIFEN	2,745,969
HOWARD, MALM	2,685,655
HOWINGTON, LARRY C.	2,739,317
HU, JIKANG	2,875,892
HUA, XINSHENG	2,839,073
HUANG, WEN DONG	2,761,741
HUANG, YUEFANG	2,864,887
HUAWEI TECHNOLOGIES CO., LTD.	2,828,692
HUBBELL INCORPORATED	2,687,009
HUDSON, ANDERS SCOT	2,712,048
HUDSON, HANK M.	2,764,630
HUDSON, MARK M.	2,764,590
HUECK FOLIEN GES.M.B.H.	2,735,850
HUESLER, FLORIAN	2,755,064
HUFNAGEL, HEATHER RAE	2,745,969
HUGHES, GREGORY	2,784,356
HUNG, SHUEN-LU	2,766,834
HUNLEY, STANLEY C.	2,904,832
HUO, SHOUDONG	2,858,113
HUR, NAM-HO	2,864,647
HUR, NAM-HO	2,864,718
HURMUZLU, YILDIRIM	2,864,117
HUSKY INJECTION MOLDING SYSTEMS LTD.	2,901,027
HUTCHINSON, DAVID NEWMAN	2,714,804
HUTTENLOCH, MONIKA ERIKA	2,682,221
HUVEPHARMA ITALIA S.R.L.	2,773,007
HWONG, DEREK	2,944,925
IBIQUITY DIGITAL CORPORATION	2,698,336
IFP ENERGIES NOUVELLES	2,718,121
IFP ENERGIES NOUVELLES	2,767,073
IHI CORPORATION	2,922,020
IHI CORPORATION	2,924,427
IIZUKA, SHIGEO	2,842,140
IKEDA, KOTARO	2,867,039
IL7!, LLC	2,909,456
ILINCA, ADRIAN	2,887,923
ILLINOIS TOOL WORKS INC.	2,891,534
ILOQ OY	2,729,009
ILUMISYS, INC.	2,749,498
IMAMURA, YOSHIHIDE	2,880,666
IMFELD, MARCEL	2,762,510
IMPACT SELECTOR LIMITED	2,755,873
INDAG GESELLSCHAFT FUER INDUSTRIEBEDARF MBH & CO. BETRIEBS KG	2,795,779
INFINEUM INTERNATIONAL LIMITED	2,688,793
INGENICA INGENIERIE INDUSTRIELLE	2,845,898
INNES, DAVID	2,846,867
INOUE, YUMI	2,867,039
INPRO CORPORATION	2,691,821
INSTILLO GMBH	2,799,519
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)	2,711,141
INSTITUTO POTOSINO DE INVESTIGACION CIENTIFICA Y TECNOLOGICA, AC.	2,853,681
INTEL CORPORATION	2,861,483
INTELLIGRATED HEADQUARTERS, LLC	2,920,808
INTERDIGITAL TECHNOLOGY CORPORATION	2,641,447
INTERFACE BIOLOGICS, INC.	2,703,017
INVENTIO AG	2,762,510
INVENTIV HEALTH, INC.	2,660,834
IPSEN PHARMA S.A.S.	2,721,435
IRONHAWK INDUSTRIAL DISTRIBUTION LLC	2,806,709
ISCAR LTD.	2,789,004
ISELE, ROLF	2,859,263
ISOLYNX, LLC	2,918,778
ISOMURA, TETSUO	2,812,344
ISRAEL AEROSPACE INDUSTRIES LTD.	2,946,993
ITOU, HIDEYUKI	2,764,475
IVES, JAMES	2,746,715
IVEY, JOHN	2,749,498
IWASAKI, HAYATO	2,880,666
IZADI, SHAHRAM	2,753,697
J. & M. MANUFACTURING CO., INC.	2,903,791
JACKSON, GRAHAM	2,688,793
JACOBER, MARK A.	2,890,017
JANKOWSKI, RONALD	2,722,758
JANSSEN PHARMACEUTICA NV	2,721,099
JANSSEN PHARMACEUTICA NV	2,745,969
JANSSEN PHARMACEUTICA NV	2,770,932
JARRETT, BARRY R.	2,848,071
JEFFERIES, KEVIN	2,823,565
JEFFERSON, PAUL	2,642,174
JENKINS, KURT ALLEN	2,753,697
JENKINS, SHAWN E.	2,767,186
JENSEN, KIM MOEGELVANG	2,741,431
JESSEE, JOEL	2,651,389
JFE STEEL CORPORATION	2,851,325
JI, MI-KYUNG	2,751,343
JI, TIANYING	2,801,095
JIN-MAGIC INC.	2,800,669
JINZAKI, AKIRA	2,800,669
JOHNKE, ANDREW F.	2,764,590
JOHNKE, ANDREW F.	2,764,630
JOHNSON & JOHNSON CONSUMER COMPANIES, INC.	2,607,605
JOHNSON MATTHEY PLC.	2,856,182
JOHNSON, DANA L.	2,745,969
JOHNSON, GARY M.	2,718,479
JOHNSON, JASON A.	2,920,808
JOHNSON, RICHARD L.	2,908,722
JOHNSON, RONALD L.	2,712,048
JOKINEN, HANNU	2,729,009
JONES, CHRISTOPHER MICHAEL	2,907,986
JOOSS, KARIN	2,679,664
JOST-WERKE GMBH	2,823,478
JSR CORPORATION	2,794,701
JUNG, EUN-JUNG	2,859,127
JUNG, HAE-KYUNG	2,811,902

JUNG, KWANG-JU 2,859,127
JUNK, BRIAN SCOTT 2,886,515
JX NIPPON OIL & ENERGY CORPORATION 2,807,945
KABUSHIKI KAISHA TOSHIBA 2,844,238
KADAMBAR, VASANTHA KRISHNA 2,881,987
KADAMBAR, VASANTHA KRISHNA 2,882,018
KAEFERBOECK, HELMUT 2,735,850
KAISER, LLOYD 2,651,863
KALMS, WILLIAM 2,790,175
KAMERY, CHRISTOPHER J. 2,696,334
KAMI, CHIKARA 2,851,325
KANG, EUGENE 2,878,532
KANG, NA YOUNG 2,778,370
KANNER, ABE 2,837,645
KANTO OEQUIST, CHARLOTTA 2,758,411
KAO, SHERRY 2,798,530
KATO, YASUHIRO 2,680,232
KAWANO, KAZUYUKI 2,896,457
KAWASAKI JUKOGYO KABUSHIKI KAISHA 2,880,666
KAWASAKI, YOSHIHIRO 2,794,472
KAY, DENIS G. 2,665,773
KBP BIOSCIENCES CO., LTD. 2,842,838
KEARNEY, AARON M. 2,721,099
KELLEY, STEVEN RANDALL 2,910,181
KELLY, RICHARD KINGSWOOD 2,638,553
KENDALL, TIMOTHY 2,754,469
KENNEDY, GORDON 2,801,410
KERN, JEFFREY ALAN 2,751,100
KHABASHESKU, VALERY N. 2,892,719
KHALIL, MOHAMED 2,761,668
KHARBANDA, SURENDER 2,741,065
KHARKOVER, ILIA 2,803,869
KIANI, MASSI E. 2,788,001
KILGUS, MICHAEL 2,854,212
KIM, HAN-NA 2,859,127
KIM, HEE YOUNG 2,778,370
KIM, HEUNG-MOOK 2,864,647
KIM, HEUNG-MOOK 2,864,718
KIM, SUK JOON 2,778,370
KIM, SUN GI 2,859,127
KINCAID, MARK 2,674,866
KINETICO INCORPORATED 2,708,992
KING, STEVEN W. 2,591,914
KINSEY, P. SPENCER 2,719,205
KITAJIMA, HIDEAKI 2,773,060
KITANO, HIROSHI 2,880,666
KITTEL, CHRISTIAN 2,705,444
KIZAKI, YASUMI 2,844,238
KLAVER, TOM 2,793,293
KLAVUHN, TORY A. 2,734,718
KLEGRAF, TOBIAS 2,753,267
KLENKLER, RICHARD A. 2,832,613
KLIEWER, CHRIS E. 2,801,410
KLIMEK, JEFFREY VANCE 2,771,471
KLING, MARCEL ROBERT 2,703,600
KLUEBER, KEVIN L. 2,920,808
KNAUER, DANIEL 2,853,810
KOCH, DOUGLAS J. 2,885,539
KODER, KEVIN S. 2,679,795
KOENIG, LARRY E. 2,729,040
KOENIG, MARK E. 2,729,040
KOMAR INDUSTRIES, INC. 2,729,040
KOMATSU LTD. 2,863,656
KON, SHIGEYUKI 2,753,280
KONDOH, TSUNEAKI 2,887,398
KONYA, AHMET 2,680,855
KOPISH, ANDREW J. 2,887,403
KOPRIVNIKAR, KATHRYN E. 2,679,664
KORTE, DAVID G. 2,751,796
KOSESKI, RYAN P. 2,737,203
KOZLOWSKI, MICHAEL 2,771,471
KOZLOWSKI, MICHAEL J. 2,714,804
KRAFT, VOLKER 2,773,007
KRAVETS, OLEKSIY 2,804,444
KRENER, OLIVIER 2,916,879
KRETZSCHMAR, GERHARD 2,773,007
KRITICOS, STEPHEN CON 2,824,789
KRUEGER INTERNATIONAL, INC. 2,887,403
KRULIK, RICHARD 2,854,010
KU, MANNCHING SHERRY 2,928,071
KUCH, FABIAN 2,857,611
KUESTERS, ERNST 2,732,095
KUFE, DONALD W. 2,741,065
KUHLMANN, DAVID J. 2,507,650
KUMAR, AVINASH 2,753,993
KUPERMAN, ALEXANDER E. 2,703,779
KUPERMAN, ALEXANDER E. 2,716,006
KUPERMAN, ALEXANDER E. 2,728,265
KUPERMAN, ALEXANDER E. 2,760,298
KUPPER-WEISSER GMBH 2,859,263
KUPRATIS, DANIEL BERNARD 2,856,912
KURAPOV, DENIS 2,736,143
KURIHARA, TAKESHI 2,863,656
KURIYAMA, TAKEFUMI 2,842,140
KURZ, MICHAEL 2,795,779
KUZNETSOV, OLEKSANDR V. 2,892,719
KWOK, JOHN 2,680,543
KWON, SUN-HYOUNG 2,864,647
KWON, SUN-HYOUNG 2,864,718
KWON, TAEWOO 2,859,127
L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 2,771,165
LABRADOR, CHRISTOPHER 2,807,189
LACY, STUART 2,821,420
LAFLEUR, TIMOTHY J. 2,887,403
LAMBERT, CHRISTIAN M. 2,946,601
LAMMERS, GUIDO 2,455,217
LAMPERD, JOHN 2,651,863
LAMSA, MICHAEL 2,670,643
LANCASTER, PATRICK R., III 2,908,722
LANDMARK GRAPHICS CORPORATION 2,884,273
LANDRY-BAYLE, ADRIENNE M. 2,721,099
LANG, JOHN F. 2,755,950
LANG, MARKUS 2,739,156
LANTECH.COM, LLC 2,908,722
LANXESS INC. 2,752,505
LARSEN, SIGNE ESKILDSEN 2,670,643
LASALLE, GREG 2,562,657
LATTUADA, LUCIANO 2,803,213
LAUGHLIN, LEO TIMOTHY, II 2,890,512
LAVAKUMAR, KARTHIK 2,745,458
LAVERING, GORDON R. 2,749,498
LAVOIE, JEAN-MICHEL 2,748,189
LAW, STACEY 2,731,096
LAWANDY, NABIL M. 2,896,803
LAWRENCE, CHRISTOPHER HOWARD 2,764,865
LEBRETON, JACQUES 2,711,141
LEDERLE, HANS PETER 2,718,324
LEDUC, PHILIP 2,642,174
LEE, CHUL WEE 2,778,370
LEE, DAVID S. 2,806,745
LEE, HYUN-TAEK 2,811,902
LEE, JI-WON 2,751,343
LEE, SAM YOUNG 2,859,127
LEE-DUTRA, ALICE 2,721,099
LELY PATENT N.V. 2,747,781
LEMIEUX PERINET, ALEXIS 2,748,189
LEONARDI, GABRIELLA 2,803,213
LEQUEU, PHILIPPE 2,760,015
LETURMY, MARC 2,771,165
LEVESQUE, STEVEN F. 2,760,641
LEVI, DANIEL S. 2,753,853
LEVIN, DORON 2,801,410
LEVIT, MICHAEL 2,760,992
LEWIS, SEAN 2,784,210
LEWIS, W. LARRY 2,764,590
LEWIS, W. LARRY 2,764,630
LG ELECTRONICS INC. 2,824,829
LI, BIN 2,845,411
LI, HONGFA 2,839,073
LIANG, JIMMY T. 2,721,099
LIANG, WEI-CHING 2,753,988
LIBRIZZI, JOSEPH. J. 2,607,605
LICHTENBERGER, JANINE 2,702,513
LIM, MI-JUNG 2,751,343
LIN, CHIA-YEN 2,945,376
LINGOES, JANETTE VILLALOBOS 2,869,141
LINNEWEBER, GEORG 2,758,411
LITTLE, HERBERT A. 2,698,799
LIU, DAZHI 2,823,126
LIU, JIN 2,909,385
LIU, NING 2,743,499
LIU, ZAN 2,894,693
LOCHNER, SUSANNE 2,721,099
LOCKHART, YUGEN PATRICK 2,712,048
LOCKHEED MARTIN CORPORATION 2,790,175
LOKHNAUTH, JOHN 2,676,881
LONG, HUA 2,909,385
LONG, THAN TRONG 2,844,238
LONGMEN GETMORE POLYURETHANE CO. LTD. 2,945,376
LONGYEAR TM, INC. 2,946,601
LOPEZ, JAIME 2,702,513

LOPEZ, MANUEL 2,734,718
LOPRESTO, SCOTT M. 2,685,241
LORD, JEFFREY DYSON 2,679,795
LOSTUN, VIRGIL 2,837,645
LOVERSO, JESSICA 2,854,010
LOW, NATHAN 2,886,686
LU, LAN 2,845,411
LU, LISI 2,909,385
LU, QINGHONG 2,928,071
LU, XINGHUA 2,875,892
LUNDIN, NINA 2,670,643
LUNG, BRYAN 2,642,174
LUNG, PATRICIA 2,642,174
LUPTON, CLINTON R. 2,617,093
LUSCHER, HANS 2,660,209
LUSTENBERGER, PHILIPP 2,732,095
LUSTER, TROY A. 2,591,914
LUTZ MEDICAL ENGINEERING 2,861,575
LUTZ, PETER 2,861,575
LUZENSKI, ROBERT J. 2,507,650
LV, BINHUA 2,730,734
LYNCH, JOE T. 2,764,590
LYNCH, JOE T. 2,764,630
M-I LLC 2,840,857
MAAS, FRANCISCUS ARNOLDINA GERARDUS JOZEF 2,769,467
MACDONALD DETTWILER & ASSOCIATES INC. 2,709,634
MACDONALD, DETTWILER AND ASSOCIATES INC. 2,709,634
MACDONALD, GREGOR JAMES 2,770,932
MACDONALD, JEFFERY RAYMOND 2,910,181
MACDONALD, LOUISE S. 2,894,348
MACDONALD, SCOTT D. 2,894,348
MACHEREY, FRIEDHELM 2,910,330
MACKENZIE, MATTHEW 2,816,581
MAESEN, THEODORUS 2,703,779
MAESEN, THEODORUS 2,760,298
MAGNA SEATING INC. 2,735,570
MAGNANO, NUNZIO 2,771,737
MALLOY, ALLEN L. 2,680,989
MALM, HOWARD 2,703,706
MAMMOLITI, SERGIO 2,837,645
MANASEK, RICHARD J. 2,650,957
MANI, NEELAKANDHA S. 2,721,099
MANNKIND CORPORATION 2,719,205
MANTYLA, JAMES 2,720,998
MARCZYK, STANISLAW 2,691,401
MARDI, GYMSHER 2,763,862
MARDI, LAURA 2,763,862
MARDI, ROSA 2,763,862
MARDI, SHALVA 2,763,862
MARELLAPUDI, SESHAGIRI R. 2,679,795
MARFAT, ANTHONY 2,875,916
MARIANO, ELMER 2,734,718
MARSHALL, ANDREW 2,739,746
MARTIN-VACA, BLANCA 2,721,435
MASIMO CORPORATION 2,788,001
MATHE, MONIQUE 2,711,141
MATHERN, PETER D. 2,780,899
MATHEWS, MARY J. 2,771,393
MATHIAS, JAMES A. 2,507,650
MATHIEU, DAVID 2,776,201
MATHUR, TARUN PRAKASH 2,752,471
MATSUNO, MAYUMI 2,681,473
MATSUSUE, MASAAKI 2,867,039
MATTHEWS, BRENT 2,644,632
MATTHEWS, JOSHUA D. 2,816,581
MAURER, ROBERT E. 2,711,559
MAYER, MICHAEL JOHN 2,886,515
MAZYAR, OLEG A. 2,892,719
MAZZA, JOHN C. 2,660,367
MCARTHUR, REX STACEY 2,910,181
MCAULEY, ALASTAIR EDWIN 2,761,741
MCCLURE, TRAVIS 2,755,256
MCCOY, RICHARD W. 2,684,201
MCDERMOTT, JEFF 2,798,530
MCEWEN-KING, MAGNUS 2,760,662
MCGEE, JOHN 2,762,644
MCGEE, JOHN D. 2,775,331
MCGUIRE, GREGORY M. 2,832,613
MCHUGH, JAMES A. 2,770,895
MCINTOSH, MORGAN HORACE JOHN 2,910,181
MCLAREN, MARK 2,761,741
MCLEAN, JAMES D. 2,771,393
MCLEAN, SCOTT 2,719,205
MCROBB, GRAEME 2,792,340
MCWEENEY, SEAN 2,711,593
MEGATI, SREENIVASULU 2,676,881
MEGTEC SYSTEMS, INC. 2,910,289
MEHR, JOHN D. 2,756,085
MEIJER, CHRISTOPHORUS JOANNES LAMBERTUS MARIA 2,704,151
MELUCCI, CHARLES 2,676,881
MEMORY, RUSSELL J. 2,723,351
MENDEL-HARTVIG, IB 2,708,589
MENEFEE, RANDY L. 2,714,804
MENGHRAJANI, ALOK 2,761,348
MENNES, MICHAEL JOSEPH 2,679,795
MERCK PATENT GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG 2,491,038
MERENOV, ANDREI S. 2,885,432
MERGELSBERG, INGRID 2,682,221
MERONI, GRAZIA 2,726,656
MESAN, IZUDIN 2,896,044
MESOCOAT, INC. 2,751,250
MESSIER-DOWTY LIMITED 2,821,420
MEYER, AXEL 2,869,141
MEYER, MICHAEL J. 2,783,133
MICHEL, CHRISTIAN GABRIEL 2,697,371
MICKELSEN, JEREMY 2,846,867
MICRO MOTION, INC. 2,886,198
MICRO MOTION, INC. 2,886,515
MICROSOFT TECHNOLOGY LICENSING, LLC 2,724,681
MICROSOFT TECHNOLOGY LICENSING, LLC 2,731,096
MICROSOFT TECHNOLOGY LICENSING, LLC 2,753,697
MICROSOFT TECHNOLOGY LICENSING, LLC 2,756,085
MICROSOFT TECHNOLOGY LICENSING, LLC 2,760,992
MICROTEC S.R.L. 2,705,885
MIDATECH PHARMA (WALES) LIMITED 2,728,190
MILLER, MATTHEW LYNN 2,859,236
MIN, HYE-KYUNG 2,751,343
MIRMEHRABI, MAHMOUD 2,928,071
MISEO, SABATO 2,801,410
MISHRA, PRABHAT RANJAN 2,753,993
MIYAGI, TAKASHI 2,896,457
MIYAMOTO, KENICHIRO 2,909,232
MIZUSHIMA, HIROSHI 2,842,140
MOERI, PETER 2,739,156
MOGHE, AJIT K. 2,880,807
MOJRZISCH, SEBASTIAN 2,896,044
MOLECULAR REBAR DESIGN, LLC 2,783,974
MOLECULAR TRANSFER, INC. 2,651,389
MONASTYRSKY, YAKOV 2,803,869
MONNIE, SAMUEL 2,771,471
MOORE, PHILIP R. 2,908,722
MORALES, NELSON MAURICIO 2,886,515
MORGAN, R., ANDREW 2,848,778
MORIMITSU, KENTARO 2,869,880
MORIOKA, NORIKO 2,922,020
MORPHO 2,889,577
MORRIS, CHARLES EUGENE 2,831,655
MOSER, RENZO 2,739,156
MOTEGI, MASAYUKI 2,680,232
MOTOHASHI, ITSUKI 2,855,649
MOTOMIYA, TAKESHI 2,866,264
MOZDZIERZ, PATRICK 2,696,659
MUCHHALA, SUSHANT 2,761,727
MUELLERCHEN, PETER 2,788,933
MUHAMMAD, KHURRAM 2,804,444
MUHANNA, AHMAD S. 2,761,668
MUHS, ANDREAS 2,701,793
MULLANEY, SHAEMUS 2,816,581
MULLER, THORSTEN 2,910,330
MULTIPHASE FLOW INTERNATIONAL LLC 2,864,117
MUNOZ, CHRISTOPHER MICHAEL 2,771,471
MURAKAMI, KATSUYA 2,812,344
MURPHY, ELISSA E. 2,756,085
MURPHY, MICHAEL A., JR. 2,747,936
MURUGAN, ANDIAPPAN 2,881,987
MURUGAN, ANDIAPPAN 2,882,018
NAAE, DOUGLAS GENE 2,716,006
NADEEM, MAHMOUD SHAKER 2,792,579
NAFZIGER, BRENDON 2,881,892
NAGASHIMA, TOSHIAKI 2,812,344
NAKAJIMA, NOBUO 2,812,344
NAKAMICHI, KOJI 2,764,475
NAKAMURA, TAKAHIRO 2,794,701
NAKAMURA, TAKEHIRO 2,680,232

NAKANISHI, YUKIHIRO 2,863,656
NANDY, ANDREAS 2,491,038
NANOTHERAPEUTICS, INC. 2,705,444
NATIONAL UNIVERSITY CORPORATION FUKUSHIMA UNIVERSITY 2,863,193
NATORI, JUNICHIRO 2,887,398
NAWATA, YASUHIRO 2,696,087
NEC CORPORATION 2,829,034
NEISER, RAYMOND R. 2,920,808
NELSON, JONATHAN D. 2,751,100
NERO, TRACY LEAH 2,703,600
NESTEC S.A. 2,739,156
NEWCASTLE INNOVATION LIMITED 2,793,867
NEWMAN, PAUL 2,840,857
NEXTER SYSTEMS 2,790,463
NG, PHILIP 2,660,914
NGUYEN, ERIC 2,718,479
NGUYEN, MINH 2,679,664
NGUYEN, NGUYEN 2,801,095
NIBCO INC. 2,684,162
NIKE INNOVATE C.V. 2,868,502
NIKE INNOVATE C.V. 2,885,042
NILSEN, CHRISTIAN 2,840,857
NIPPON PAPER INDUSTRIES CO., LTD. 2,717,923
NIPPON SHINYAKU CO., LTD. 2,764,475
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,896,457
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,909,232
NISHIO, AKIHIKO 2,534,677
NISTOR, IULIAN G. 2,801,410
NODA, TAKAHARU 2,717,923
NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG 2,897,591
NORTHROP GRUMMAN SYSTEMS CORPORATION 2,821,295
NOTHACKER, GERNOT 2,910,330
NOVA SCOTIA COMMUNITY COLLEGE 2,816,581
NOVARTIS AG 2,732,095
NOVARTIS AG 2,761,727
NOVOZYMES A/S 2,670,643
NOVOZYMES, INC. 2,670,643
NTT DOCOMO, INC. 2,680,232
NUNGESTER, GREGORY 2,698,336
O'BRIEN, THOMAS JOSEPH 2,698,336
O'REAR, DENNIS J. 2,703,779
OEHLENSCHLAEGER, BENT 2,741,431
OEHMAN, PER OVE 2,708,589
OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON 2,736,143
OFSLAGER, CHRISTIAN 2,676,881
OGAWA, MISAO 2,896,457
OGIMOTO, MASATO 2,717,923
OGISHI, HIDEYUKI 2,880,666
OGUMA, TADASHI 2,844,238
OHMAN, ROGER ARTHUR, III 2,813,023
OHNISHI, TAKAAKI 2,773,060
OHSHIMA, TOSHIAKI 2,947,951
OHTA, YOSHIAKI 2,794,472
OKIDO, TAKESHI 2,807,945
OKINO, AYATOMO 2,812,344
OKUN, MARTIN M. 2,801,917
OLDCASTLE ARCHITECTURAL, INC. 2,854,048
OLESEN, ROBERT L. 2,641,447
OLIVIERI, STEVEN A. 2,745,458
OLKO-MASCHINENTECHNIK GMBH 2,804,544
OLSON, LEE 2,696,659
OLSON, MARTIN EDWARD, III 2,771,471
OMACHRON INTELLECTUAL PROPERTY INC. 2,846,801
OMACHRON INTELLECTUAL PROPERTY INC. 2,846,921
OMEROS CORPORATION 2,733,378
OMORI, NAOMICHI 2,924,427
OMYA INTERNATIONAL AG 2,708,091
ONO, KATSUMASA 2,717,923
OOOKA, KAZUNORI 2,896,457
OPALUX INCORPORATED 2,731,778
OPENHYDRO IP LIMITED 2,746,715
OPKO HEALTH, INC. 2,682,221
OPTASENSE HOLDINGS LIMITED 2,760,662
OPTIS WIRELESS TECHNOLOGY, LLC 2,534,677
ORIGIN BIOTECHNOLOGY KABUSHIKIKAISHA 2,947,951
ORTLOFF ENGINEERS, LTD. 2,764,590
ORTLOFF ENGINEERS, LTD. 2,764,630
OSAWA, A. EDWARD 2,659,369
OSTERMEIER, PETER 2,718,324
OU, ZILIAN 2,828,692
OUTILS GLADU S.E.N.C. 2,660,209
OUTOTEC OYJ 2,854,212
OVAL CORPORATION 2,866,264
OVERFIELD, DENNIS 2,719,205
OVERSON, JASON M. 2,713,028
OWENS, MARK VERNON 2,885,976
OYORI, HITOSHI 2,922,020
PADIGALA, MAHESH 2,726,656
PADOVAN, PIERLUIGI 2,943,891
PADRINES, MARC 2,711,141
PALERMO, THOMAS 2,928,036
PALIWAL, SUNIL 2,682,221
PALMER, DANIEL 2,728,190
PANG, CHAO 2,828,692
PAPA, CHARLES A., III 2,885,539
PARENT, J. SCOTT 2,752,505
PARK, CHEOL-HYOUNG 2,751,343
PARK, DEUK SOO 2,778,370
PARK, HAN OH 2,859,127
PARK, JOO-YOUNG 2,751,343
PARK, STUART 2,708,992
PARK, SUNG-IK 2,864,647
PARK, SUNG-IK 2,864,718
PARK, YONG KI 2,778,370
PARKER, BRIAN MAURICE 2,893,508
PARKING KIT LTD. 2,803,869
PARSON, NICHOLAS C. 2,942,043
PARTRIDGE, JOHN J. 2,875,916
PATE, RANDELL E. 2,890,940
PATEL, HARISH A. 2,880,807
PATEL, KARTEEK HASMUKH 2,717,206
PATEL, NIKETA 2,676,881
PATIENT TRANSFER SYSTEMS, INC. 2,747,413
PAULK, MARTY 2,884,273
PAULUS, ARAN 2,743,499
PAWLAK, MICHAEL C. 2,848,778
PAYNE, THOMAS 2,722,758
PEARCE, CODY A. 2,946,601
PEARCE, KEN A. 2,562,657
PEARLMAN, LEAH 2,761,348
PECKHAM, JASON D. 2,826,291
PEETERS, JOHANNES HENDRICUS ALPHONSUS 2,744,318
PELAK, WYNN M. 2,617,093
PELLETIER, MICHAEL T. 2,907,986
PENG, KUN 2,730,734
PENN, GERHARD 2,732,095
PENNY, ROBERT 2,651,995
PENSKE TRUCK LEASING CO., L.P. 2,885,539
PENTH, BERND 2,799,519
PENTH, FELIX 2,799,519
PEREGRINE PHARMACEUTICALS, INC. 2,591,914
PERKINELMER BIOSIGNAL, INC. 2,753,269
PERLMAN, STEPHEN G. 2,562,657
PERRY, ARIE 2,946,993
PESETSKI, AARON A. 2,821,295
PETERS, ALEXANDER 2,753,267
PETERSEN, ARND 2,491,038
PETERSEN, THOMAS A. 2,890,940
PETERSON, EDWARD W. 2,770,732
PETRIE, CHARLES R. 2,683,977
PETROCHINA COMPANY LIMITED 2,909,385
PFEIFER, ANDREA 2,701,793
PHAN, KIMCHI 2,889,675
PICHLER, ARTHUR 2,704,536
PIENS, PATRICK 2,895,432
PIEPLOW, JORG 2,873,086
PIERRE, JOSEPH 2,784,356
PIGEON, STEVEN 2,703,046
PIHLGREN, MARIA 2,701,793
PINFOLD, RYAN 2,784,210
PIXIUM VISION SA 2,793,293
PLOWMAN, GREGORY D. 2,753,988
PODKOVYROV, SERGEY 2,864,887
POLAND, ROSS 2,889,675
POLIDORO, JOHN M. 2,719,205
POLISETTI, DHARMA RAO 2,744,383
POPOWSKI, PAUL M. 2,864,362
PORT, JONATHAN D. 2,732,513
PRAIRIE AGRICULTURAL MACHINERY INSTITUTE 2,642,174
PRATT & WHITNEY CANADA CORP. 2,739,746
PRENTICE, CRAIG ROBERT 2,761,741
PRENTICE, KRISTA M. 2,785,151
PREVENT SYSTEMS AS 2,784,230

PRIBANIC, RUSSELL 2,691,401
PRIDE MANUFACTURING COMPANY, LLC 2,891,675
PRISTERA', CARMINE 2,867,030
PROETT, MARK A. 2,872,865
PROMINENT GMBH 2,766,003
PROULX, MARSHALL KEITH 2,761,727
PRUCHNIC, RYAN 2,722,758
PRUITT, MARTIN E. 2,881,892
PUKARI, MIKA 2,729,009
PUNTER, JOHN CHARLES 2,680,543
PUSCHING, BRADLEY 2,644,632
QU, SHAOGANG 2,909,385
QUATTLEBAUM, GORDON THOMAS 2,791,508
QUINTAL, NATHAN A. 2,887,403
R&L CARRIERS, INC. 2,919,246
RADA, GEORGENE 2,854,010
RADEBAUGH, GALEN 2,676,881
RAHLKE, MICHAEL 2,880,557
RAINIS, ANDREW 2,703,779
RAKUTEN, INC. 2,875,392
RAMSTAD, EINAR 2,536,749
RANDALL, BRUCE 2,798,530
RASMUSSEN, ERIK EDELBOE 2,741,431
RASOLOFOSAON, PATRICK 2,718,121
RATH, SRIKANTA KUMAR 2,753,993
RATTUNDE & CO GMBH 2,860,194
RATTUNDE, ULRICH 2,860,194
RAVA, RICHARD P. 2,786,565
RAVERTY, WARWICK DOUGLAS 2,764,865
RAWLINGS, DIANE C. 2,771,393
REAMS, WILLIAM 2,846,867
REARDEN MOVA, LLC 2,562,657
RECINE, JENNIFER MARIE 2,879,553
REDFEARN, HEATHER MARIE 2,881,987
REDFEARN, HEATHER MARIE 2,882,018
REDINI, FRANCOISE 2,711,141
REICH, CARY J. 2,659,369
REID, JUDE 2,842,978
REM TECHNOLOGY INC. 2,685,655
REM TECHNOLOGY INC. 2,703,706
REN, BO 2,860,340
REGENDES, RUI 2,752,505
RESNICK, BRIAN J. 2,920,808
REVILLE, BRENDAN 2,731,096
REYNOLDS, EUGENE D. 2,711,559
REYNOLDS, JACKSON E. 2,751,796
RHEE, WOONZA M. 2,659,369
RHEES, BRIAN K. 2,786,565
RICE, DAVID RONALD 2,854,048
RICHARD, BENNETT M. 2,872,403
RICHARDSON, CHARLES 2,683,977
RICHER, EDMOND 2,864,117
RICOH COMPANY, LTD. 2,866,237
RICOH COMPANY, LTD. 2,887,398
RICORDI, CHRISTIAN 2,891,534
RIDGEWAY, RONNIE H. 2,679,795
RIEDL, STEVE 2,646,147
RIPPE, STEPHEN G. 2,624,839
RIVOLI, LOUIS 2,871,421
ROBERGE, JACQUES Y. 2,730,734
ROBERGE, MARTIN J. 2,723,351
ROBERTS, GARY 2,507,650
ROBERTS, LOUISE JANNETTE 2,741,635
ROBERTS, MICHAEL 2,660,834
ROBERTS, RALPH L., SR. 2,919,246
ROBY, PHILIPPE 2,753,269
RODIONOV, MIKHAIL 2,724,762
RODRIGUES, JULIO 2,680,989
RODRIGUEZ, ELIEL FRESCO 2,751,100
ROECKLE, JUERGEN 2,758,010
ROGER, JESSEY 2,525,877
ROGERS, STEVEN B. 2,886,198
ROGERS, STEVEN BRUCE 2,886,515
ROLLAND, DOMINIQUE 2,732,676
ROOS, JACK 2,688,417
ROSENFELD, DANIEL 2,753,697
ROSS, ADAM J. 2,691,401
ROSSEN, KAI 2,773,007
ROZENDAAL, JACOBUS A. 2,724,762
RUBENSTRUNK, TIM 2,910,330
RUDOLPH, JEFFREY C. 2,910,289
RUETHER, THOMAS 2,753,267
RUIZ, IDRISS MANSOURI-CHAFIK 2,712,048
RULL, JANA 2,766,003
RUMBAUGH, MICHAEL R. 2,751,796
RUNDE, DAVID M. 2,735,570
RUNDSTROEM, GERD 2,708,589
RUPP, MICHAEL D. 2,946,601
RUSSELL ENERGY CORPORATION 2,751,642
RUSSELL, ROBERT L. 2,751,642
RYU, CHOON-HO 2,751,343
S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A. 2,731,084
S.M.E. PRODUCTS LP 2,764,590
S.M.E. PRODUCTS LP 2,764,630
SAHI, CARL R. 2,719,205
SAITO, MASANORI 2,807,945
SAKAI, MASAO 2,744,005
SAKAMOTO, RYO 2,773,060
SAKANE, YUTO 2,880,666
SALFORD GROUP INC. 2,724,762
SALMON, ANDREW PAUL MAXWELL 2,761,741
SALTO, JOHN J. 2,879,553
SALTS HEALTHCARE LIMITED 2,737,878
SALVADORI, LAWRENCE 2,669,238
SALZMAN, MICHAEL 2,887,403
SAMPSON, KEVIN 2,944,925
SAMSUNG ELECTRONICS CO., LTD. 2,811,902
SANDOZ AG 2,704,536
SANOSTEC CORPORATION 2,894,348
SANTANGELO, BRYAN 2,646,147
SANTERRE, J. PAUL 2,703,017
SANTILLAN, ALEJANDRO, JR. 2,721,099
SANTIN, ERNEST 2,894,348
SANTINI, GREGORY M. 2,793,044
SAP SE 2,455,217
SAPPEY, KATHLEEN C. 2,721,099
SARCODE BIOSCIENCE INC. 2,609,053
SARGEANT, JERMAINE G. 2,885,539
SASAKI, HIROYUKI 2,863,193
SASAKI, KATSUYA 2,773,060
SASAKI, TSUYOSHI 2,842,140
SASAKI, KEN 2,717,923
SATTERFIELD, JESSE CLAY 2,724,681
SAUDI ARABIAN OIL COMPANY 2,858,113
SAUSER, EDWIN J. 2,675,422
SAVAGE, JOHN KEITH 2,884,703
SCAMMELL, DAN 2,664,680
SCARPA, CARL 2,695,381
SCHAAP, MICHIEL 2,904,832
SCHAFER, ADAM 2,846,867
SCHAFFRATH, NORBERT 2,910,330
SCHARPF, ROBERT N. 2,825,875
SCHEETZ, BARRY E. 2,737,203
SCHELL, EDWARD 2,695,381
SCHERER, DOMINIK HERMANN 2,682,221
SCHINSKI, WILLIAM LAWRENCE 2,716,006
SCHIRRMACHER, MARTIN 2,738,451
SCHITTKO, LARS 2,916,879
SCHJODT, NIELS CHRISTIAN 2,872,354
SCHLUMBERGER CANADA LIMITED 2,693,917
SCHMIDT, MATTHEW B. 2,507,650
SCHMIDT, WOLFGANG 2,785,605
SCHMITZ, BEAT 2,732,095
SCHNEIDER ELECTRIC USA, INC. 2,823,565
SCHOLKOPF, JOACHIM 2,708,091
SCHOTTLE, KLAUS 2,680,855
SCHRADER, JAN WILLEM 2,747,781
SCHREINER, GARY 2,918,103
SCHRODER, WALTER 2,804,544
SCHUSTER, KURT 2,864,887
SCHWARZ, CORINNA 2,767,186
SCHWARZ, FREDERICK M. 2,856,912
SCOGGINS, WILLIAM OLI, JR. 2,679,795
SCOTT, CHRIS 2,788,933
SCOTT, JOHN L., SR. 2,745,400
SEARS BRANDS, LLC 2,714,804
SEARS BRANDS, LLC 2,771,471
SEDELMEIER, GOTTFRIED 2,732,095
SEED, BRIAN 2,730,734
SEIDEL, GUNTER 2,823,478
SEKIGUCHI, SATOYUKI 2,866,237
SELF-SCREEN B.V. 2,704,151
SENDA, YUZO 2,829,034
SENGUPTA, SOUMA 2,904,832
SENZAKI, KENTA 2,829,034
SEOK, BONG SOO 2,878,532
SEPASSI, KIA 2,721,099
SERPEAULT, JEROME 2,790,463
SHADICK, OWEN 2,728,190
SHAH, JOEY 2,864,355
SHAH, SYED M. 2,676,881
SHAKIBA, MOHAMMAD 2,942,043
SHALEV, ALON 2,766,347
SHANDONG NEON KING ELECTRONICS CO., LTD. 2,832,048

SHANDONG TRALIN PAPER CO., LTD 2,839,073
SHAW, ALAN 2,691,821
SHAW, CHRISTOPHER ARIEL 2,665,773
SHEAHAN, JAMES JOSEPH, JR. 2,831,655
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,697,371
SHELTON, FREDERICK E., IV 2,679,805
SHENTU, LIFENG 2,875,892
SHEPARD, DAVID CHAUNCEY 2,717,206
SHEPPARD, DEAN 2,562,038
SHERMAN, ANDREW J. 2,751,250
SHIBA, MASANA 2,866,237
SHIH, NENG-YANG 2,682,221
SHIMAZU, YOSHITSUGU 2,680,232
SHUTTLEWORTH, LEE PAUL 2,891,675
SIBLEY, RICHARD P. 2,647,309
SIEMENS AKTIENGESELLSCHAFT 2,721,114
SIEMENS INDUSTRY, INC. 2,679,795
SIEVERLING, NATHALIE 2,758,411
SIEW, SILAS SAO JIN 2,761,741
SIGEL, KIRK M. 2,918,778
SILENCE, KAREN 2,608,873
SIMON, DAVID L. 2,749,498
SIMONNEAUX, YANN 2,821,420
SIPCO PTY LTD. 2,638,553
SIRIUS XM RADIO INC. 2,695,381
SK BIOPHARMACEUTICALS CO., LTD. 2,751,343
SK INNOVATION CO., LTD. 2,778,370
SKARINE, ALEXEI 2,790,181
SKJOET, MICHAEL 2,670,643
SLABAUGH, ANTHONY 2,879,866
SLAGER, BEN 2,704,449
SLAVIN, SHIMON 2,763,862
SLEE, MARK 2,761,348
SMEGAL, JOHN ANTHONY 2,697,371
SMITH, DEREK 2,731,096
SMITH, JOSEPH ALAN 2,886,515
SMITH, TARA DENISE 2,767,186
SMITH, THOMAS S. 2,762,644
SMITHS MEDICAL ASD, INC. 2,723,444
SMITHS MEDICAL ASD, INC. 2,784,356
SMUTNEY, CHAD C. 2,719,205
SNECMA 2,776,201
SNEDIKER, JOHN 2,790,175
SNIJDERS, PETRUS JOSEPHUS FERDINANDUS 2,704,151
SOHI, JASDEEP 2,762,644
SOLDAN, DANIEL J. 2,881,892
SOLED, STUART L. 2,801,410
SOLENIS TECHNOLOGIES CAYMAN, L.P. 2,758,411
SOLVAY SOLEXIS S.P.A. 2,726,656
SONG, BU SUB 2,778,370
SORENSEN, FLEMMING 2,793,066
SOSNOSKY, LARA M. 2,756,085
SPECK, JOHN 2,562,657
SPECTRA SYSTEMS CORPORATION 2,896,803
SRIVASTAVA, KAMINI 2,753,993
SRUTKOWSKI, LAWRENCE 2,751,004
SSP TECHNOLOGY A/S 2,793,066
STANDLEY, ROBERT L. 2,760,641
STANGER, KEITH A. 2,877,779
STANIFER, ERIC J. 2,684,201
STARR, RACHEL 2,784,356
STAUDERMAN, KENNETH A. 2,688,417
STEADMAN, BRYAN 2,683,977
STEIERT, MARTIN 2,455,217
STEVN, PALLE 2,768,926
STIER, OLIVER 2,721,114
STOWE, CALVIN J., II 2,874,731
STRIK, JOSEPH 2,812,428
STROBEL-SCHMIDT, RAINER 2,718,324
STROLLE, CHRISTOPHER 2,695,381
STRYDHORST, TIM 2,784,210
STUBBLEFIELD, STEVEN O. 2,739,317
STUMMER, MANFRED 2,689,228
SUAREZ, SARAH PANKRATZ 2,717,206
SUCK, ROLAND 2,491,038
SUDEL, MATTHIAS 2,873,086
SUGAWARA, TOMOAKI 2,887,398
SUGIMOTO, TSUYOSHI 2,866,237
SUH, JONGYEUL 2,824,829
SUI, ZHIHUA 2,745,969
SUKEMURA, NORIO 2,866,264
SULZER MIXPAC AG 2,755,064
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,696,087
SUNDHOLM, GOERAN 2,768,926
SUNTORY HOLDINGS LIMITED 2,855,649
SUZUKI, MASANOBU 2,909,232
SVENDSEN, ALLAN 2,670,643
SWOGGER, KURT W. 2,783,974
SZELIGA, JAN 2,676,881
TAKAHASHI, KUNIKO 2,807,945
TAKAHASHI, RINTARO 2,866,237
TAKAHASHI, TAKAYUKI 2,863,193
TAKAHASHI, TAKESHI 2,717,923
TAKAI, YOSHIHIRO 2,744,005
TAKAYAMA, TATEKI 2,909,877
TAKEDA VACCINES, INC. 2,683,977
TAKEYAMA, MAKOTO 2,909,877
TAKEYAMA, MAKOTO 2,909,882
TAKIGAWA, KATSUYA 2,807,945
TANAKA, RYOUJI 2,794,701
TANAKA, SHUHEI 2,890,512
TANAKA, YASUHARU 2,896,457
TANAKA, YOSHINORI 2,794,472
TANG, ANXIANG 2,875,892
TANG, JIANZHENG 2,865,772
TANG, XINXING 2,730,734
TANIS, VIRGINIA M. 2,721,099
TARDIF, GILLES 2,677,505
TAYLOR, LARRY MACK 2,813,023
TAZAWA, FUMIO 2,812,344
TEAGUE, PHIL 2,536,749
TECNOMATIC S.P.A. 2,791,299
TECNOMATIC S.P.A. 2,948,687
TEKA INDUSTRIAL S.A. 2,689,770
TENDEKA B.V. 2,792,340
TERANISHI, TAKESHI 2,855,649
TEREX USA, LLC 2,675,422
TERLSON, BRAD 2,714,307
TERRY, STEPHEN E. 2,641,447
TESSIER, SYLVIO J. 2,784,210
TESSON, NICOLAS 2,943,891
THALES CANADA INC. 2,837,645
THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA 2,773,755
THE BOEING COMPANY 2,771,393
THE BOEING COMPANY 2,793,044
THE BOEING COMPANY 2,831,655
THE BOEING COMPANY 2,859,329
THE BOEING COMPANY 2,871,421
THE CROSBY GROUP LLC 2,813,023
THE DELFIELD COMPANY, LLC 2,877,779
THE LARYNGEAL MASK COMPANY LIMITED 2,754,130
THE PENN STATE RESEARCH FOUNDATION 2,737,203
THE PROCTER & GAMBLE COMPANY 2,869,141
THE PROCTER & GAMBLE COMPANY 2,890,512
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,562,038
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,753,853
THE UAB RESEARCH FOUNDATION 2,659,574
THE WOOSTER BRUSH COMPANY 2,745,400
THERACOS, INC. 2,730,734
THERIEN, MICHEL 2,875,916
THIERGART, OLIVER 2,857,611
THINKTANK PRODUCTS INC. 2,897,786
THOMAS & BETTS INTERNATIONAL, INC. 2,680,989
THOMSON LICENSING 2,685,241
THORPE, PHILIP E. 2,591,914
THUILLIER, CEDRIC 2,889,577
THURING, JOHANNES WILHELMUS JOHN F. 2,770,932
THYSSENKRUPP POLYSIUS AG 2,753,267
THYSSENKRUPP STEEL EUROPE AG 2,910,330
TIBERIO, PATRICK J., JR. 2,687,009
TIEDTKE, HANS-JUERGEN 2,793,293
TIME WARNER CABLE ENTERPRISES LLC 2,646,147
TIMKEN, HYE-KYUNG CHO 2,864,081
TIMMINS SOFTWARE CORPORATION 2,674,866
TIMMINS, PAUL J. 2,674,866
TINDELL, PATRICK PHILLIP 2,760,662
TJAHYADI, SYLVIA 2,703,017
TOHOKU UNIVERSITY 2,744,005
TONKOVICH, ANNA LEE 2,507,650
TONOLI, ANDREA 2,867,030
TORAASON, MARK WILLIAM 2,886,737

TOSAKA, TAKASHI 2,764,475
TOTAL S.A. 2,767,073
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,909,877
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,909,882
TOYOTA JIDOSHA KUBUSHIKI KAISHA 2,867,039
TRAN, CHRISTINE 2,697,242
TRAN, TU CAM 2,761,727
TRAVEL CADDY, INC. D/B/A TRAVELON 2,845,938
TREFFER, DOUGLAS R. 2,881,892
TREMBLAY, EVELYNE 2,714,307
TREVINO, HORACIO 2,703,779
TRIEU, VUONG 2,853,810
TRIVEDI, RITU 2,753,993
TROJAN TECHNOLOGIES 2,644,632
TROJAN TECHNOLOGIES 2,812,428
TRUJILLO, JOSHUA J. 2,704,868
TRUMBLE, JASON L. 2,885,432
TSAI, CRAIG LUNG-PEI 2,751,100
TSUI, HON-CHUNG 2,682,221
TSUJI, TOSHIRO 2,880,666
TSX INC. 2,944,925
TUERELI, AKIF EMRE 2,799,519
TULLY, STEPHEN 2,669,238
TURCOT, PHILIPPE 2,660,209
TURKO, LEO V. 2,784,210
TURNER, DAVID 2,868,502
TURNER, JEFFREY A. 2,920,808
TWIEFEL, JENS 2,896,044
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COSTELLO, MARK M. 2,959,393
COTE, KEVIN L. 2,963,064
COTTMAN, REBECCA TAYLER 2,963,080
COUNSYL, INC. 2,963,425
COVIDIEN LP 2,962,609
CRANE, DOUGLAS 2,963,265
CRANE, DOUGLAS 2,963,266
CRAWFORD LYNCH, CASEY 2,963,305
CRAWFORD, ALAN 2,963,466
CRISWELL, ALEX 2,963,421
CROW, ANDREW C. 2,963,550
CRS INDUSTRIAL WATER TREATMENT SYSTEMS PTY LTD 2,963,567
CRUM, ALBERT 2,963,131
CUNEO, ADAM NATHAN 2,959,678
CURRIE, JONATHAN DAVID 2,963,229
CURRIE, KEVIN, S. 2,955,249
CURTINSMITH, DAVID 2,963,152
CURTINSMITH, ERIN 2,963,152
CUTLER, SEAN 2,958,767
CYTORI THERAPEUTICS, INC. 2,963,468
CYTOSORBENTS CORPORATION 2,963,458
CZYSCON, JOSEPH 2,963,135
DA SILVA, LUIS FELIPE DE ALMEIDA FERREIRA 2,961,511
DA SILVA, LUIS FELIPE DE ALMEIDA FERREIRA 2,961,513
DA SILVA, LUIS FELIPE DE ALMEIDA FERREIRA 2,961,515
DAIGLE, JEAN-CHRISTOPHE 2,963,500
DAIICHI SANKYO COMPANY, LIMITED 2,953,881
DAIICHI SANKYO COMPANY, LIMITED 2,963,359

DAISHO CHEMICAL R&D INC. 2,963,217
DAIWA CAN COMPANY 2,963,465
DALBERG, STEFAN 2,963,313
DALGIC, OKTAY 2,962,818
DAMKIAER, SOREN 2,963,300
DANA AUTOMOTIVE SYSTEMS GROUP, LLC 2,959,750
DANA-FARBER CANCER INSTITUTE, INC. 2,963,091
DATAMEER, INC. 2,963,088
DAUDEY, PIETER JOHANNES 2,963,565
DAVIS, BENJAMIN MARTIN 2,959,393
DAWSON, JEFFREY C. 2,959,503
DAY, KATRINA 2,959,571
DAY, RONALD R. 2,963,455
DE BARROS RAMOS, FLAVIO 2,963,158
DE LUCCHI, OTTORINO 2,962,543
DE OLIVEIRA, AVELINO 2,963,295
DE PIJPER, AD 2,963,265
DE PIJPER, AD 2,963,266
DEAN, ROBERT M. 2,963,348
DEGUET, ANTON 2,960,725
DEKERT, STEPHAN 2,951,356
DEL CASTILLO MADRIGAL, INMACULADA 2,955,833
DEMARTINO, STEVEN EDWARD 2,959,666
DENIS, MARC LEE 2,959,374
DENNIS, JOHN H. 2,963,313
DENT, DAVID 2,955,833
DERKX, PATRICK 2,958,602
DERMIRA, INC. 2,962,947
DESHMUKH, SANGRAM SHESHARAO 2,953,881
DETTORI, DANIELE 2,959,803
DEVIALET 2,957,648
DEVIALET 2,957,731
DEY, SAIKAT 2,963,635
DHAMI, GURJINDER 2,961,023
DHARMADHIKARI NITIN BHALACHANDRA, NITIN 2,943,725
DI PAOLO, JULIE 2,955,249
DIAZ, JEAN-JACQUES 2,959,671
DICKS, NORMAN 2,959,443
DIEBOLD, ERIC 2,963,351
DIGIRETTES, INC. 2,963,466
DIMENSIONALMECHANICS, INC. 2,963,553
DIMENSIONALMECHANICS, INC. 2,963,609
DING, JEFFREY 2,954,287
DJORDJEV, KOSTADIN DIMITROV 2,961,645
DJURICIC, BORO 2,959,459
DLUGACH, YEKATERINA 2,963,075
DOBROVOLNY, JIRI 2,959,444
DOBSON, CLAIRE 2,959,571
DOCKWEILER, DAVID ALLEN 2,963,238
DOHERTY, TONY 2,959,393
DOLE, DOUGLAS R. 2,962,936
DOLIOTIS, PAVLOS 2,963,421
DOMINY, STEPHEN S. 2,963,305
DONG, HUA 2,963,480
DONG, HUA 2,963,608
DOOHAN, FIONA 2,959,736
DORSEY, JAY F. 2,963,293
DORVILLIUS, MYLENE 2,963,178
DOW AGROSCIENCES LCC 2,963,427
DOYLE, MARK C. 2,962,958
DR. REDDY'S LABORATORIES LTD. 2,953,177
DU PREEZ, JOHANNES CHRISTIAAN 2,958,265
DUENCKEL, ROBERT 2,963,249
DWARAKANATH, VARADARAJAN 2,963,348
DYBDAHL, BJORN 2,963,372
DYKSTRA, JASON D. 2,963,378
DYKSTRA, JASON D. 2,963,380
DYKSTRA, JASON D. 2,963,629
E. I. DU PONT DE NEMOURS AND COMPANY 2,963,480
EAGLE, SUSAN 2,961,195
EAPEN, GEORGE 2,962,577
EASYNOTES LTD. 2,958,115
EBERLE, JOHN ROBERT 2,963,064
EBERT, SOPHIA ROSA 2,959,431
EBNER, BERNHARD 2,962,506
EBNER, BERNHARD 2,962,508
EBNER, BERNHARD 2,962,509
ECKENHAUSEN, STEVEN 2,963,428
ECKL, WILHELM 2,962,118
ECONOMEDES MANUEL, J. 2,963,233
EDER, JOSEF 2,961,261
EDWARDS, DANIEL A. 2,963,481
EFFENBERGER, FRANK 2,963,504
EGLETON, PHILIP CG 2,963,046
EKMAN, MATT 2,960,782
ELBOTH, THOMAS 2,963,340
ELDRED, BENJAMIN T. 2,963,249
ELEKTA AB (PUBL). 2,963,346
ELITISE LLC 2,963,392
ELLIS, CHRISTINE M. 2,963,122
ELLISON, ADAM JAMES 2,959,666
ELMER, KARL-HEINZ 2,961,971
EMANUEL, NOAM 2,963,370
ENBW ENERGIE BADEN-WURTTEMBERG AG 2,961,399
ENDOU, HIROSHI 2,963,465
ENDURANCE LIFT SOLUTIONS, LLC 2,962,627
ENERGY RECOVERY, INC. 2,959,388
ENGELSEN, MERETE MOELLER 2,957,811
EOS ENERGY STORAGE, LLC 2,963,078
EOS ENERGY STORAGE, LLC 2,963,081
EPIZYME, INC. 2,963,149
EQUASHIELD MEDICAL LTD. 2,963,349
ERIKSSON, PER-OLOF 2,959,571
EVARTS, JERRY 2,953,820
EVDOKIMOV, ARTEM G. 2,963,122
EVOLVA SA 2,963,300
EXPRO PETROTECH AS 2,963,372
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 2,961,614
EYER, JOEL 2,953,259
F. HOFFMANN-LA ROCHE AG 2,963,351
F.I.S. - FABBRICA ITALIANA SINTETICI S.P.A. 2,962,543
FABIAN, IZHAK 2,958,115
FACEBOOK, INC. 2,961,830
FACEBOOK, INC. 2,963,367
FALCIOLA, LUCA 2,958,851
FALK, STEVEN MITCHELL 2,960,814
FALLEBOE, HANS 2,960,905
FARRELL, MARK 2,961,690
FARRELL, MARK 2,961,705
FASETTO, LLC 2,963,079
FAST BEAM OY 2,959,568
FAYADAT-DILMAN, LAURENCE 2,957,722
FEIL, HARTMUT 2,961,399
FEILEN, MEGAN 2,961,023
FENG, PAUL C.C. 2,963,122
FENG, QIANG 2,963,013
FERBER, AARON 2,961,061
FILLSHAPE S.R.L. 2,959,588
FISHER CONTROLS INTERNATIONAL LLC 2,963,309
FISHER, ANTONY 2,963,292
FISHILEVICH, ELANE 2,963,427
FLAHAUT, DOMINIQUE 2,959,837
FLESSNER, MATTHIAS 2,961,701
FLINT TRADING, INC. 2,963,559
FLOWER, ROBERT W. 2,963,450
FOGUETEIRO, PAULO 2,957,163
FOSSORIER, MARC 2,953,609
FOSSUM, RENAE DIANNA 2,959,431
FOSTER, RANDY W. 2,959,381
FOSTER, RANDY W. 2,959,385
FOTOUHI, BAHRAM 2,963,464
FOTOUHI, MOHAMMED 2,963,464
FOUBERT, PHILIPPE 2,963,468
FRANCHI, ANTONIO 2,960,091
FRANSEN, RENATUS IGNATIUS JOSEPHUS 2,959,299
FRASER, JOHN K. 2,963,468
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,960,072
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,960,114
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,962,118
FRED HUTCHINSON CANCER RESEARCH CENTER 2,963,089
FREDDY HIRSCH GROUP (PTY) LTD. 2,958,265
FREED, LEWIS HILLEL 2,959,729
FREEMAN, DANIEL 2,963,265
FREEMAN, DANIEL 2,963,266
FREIBERGER, NORBERT 2,959,459

FRESENIUS MEDICAL CARE HOLDINGS, INC. 2,962,777
FREY, MEGHAN 2,963,427
FRID MIND TECHNOLOGIES 2,955,895
FRID, NOUREDDINE 2,955,895
FRIEDRICH-ALEXANDER-UNIVERSITAT ERLANGEN-NURNBERG 2,961,701
FRITO-LAY NORTH AMERICA, INC. 2,963,064
FROSTAA, ISAK 2,960,905
FU, XIAORAN 2,963,122
FUJISAWA, TETSUNORI 2,963,359
FUJIUCHI, HIROKI 2,963,356
FURLOTTI, FILIPPO 2,959,588
FURUSAKO, SEIJI 2,963,056
GABORIT, NADEGE 2,959,716
GAFFNEY, JOHN HENRY, III 2,959,678
GAGNON, LYNE 2,963,276
GAGNON, LYNE 2,963,354
GAGNON, LYNE 2,963,358
GAINEY, CHARLES (DECEASED) 2,961,690
GAINS-GERMAIN, ANDREA MARY 2,959,388
GALARNEAU, YAN 2,959,599
GALGALI, GIRISH SURESH 2,959,461
GALLIANO, CLINTON CHERAMIE 2,963,507
GANN, JOHN P. 2,957,285
GANTI, SURYAPRAKASH 2,961,645
GAO, BO 2,960,890
GAO, XIAOHUI 2,963,581
GARDINIER, CLAYTON F. 2,963,249
GARN, HEINRICH 2,960,742
GARTNERIET PKM A/S 2,958,420
GARVIN, CHARLES E. 2,963,478
GAUN, ALEXANDER 2,961,261
GAUVRY, NOELLE 2,958,032
GAYDOUL, JURGEN 2,960,908
GDE ENGINEERING PTY LTD 2,963,152
GE LIGHTING SOLUTIONS, LLC 2,963,171
GE OIL & GAS ESP, INC. 2,959,491
GE OIL & GAS ESP, INC. 2,963,486
GE OIL & GAS ESP, INC. 2,963,489
GE OIL & GAS ESP, INC. 2,963,494
GE OIL & GAS ESP, INC. 2,963,495
GE OIL & GAS, INC. 2,963,216
GE, XIAOQING 2,963,378
GE, XIAOQING 2,963,380
GE, XIAOQING 2,963,629
GECO INGENIERIE 2,955,552
GEHLSEN, KURT R. 2,963,556
GEHRKE, JASON MICHAEL 2,963,080
GELEZIUNAS, ROMAS 2,954,056
GELLYNCK, KRIS 2,958,851
GENERAL CABLE TECHNOLOGIES CORPORATION 2,963,462
GENERAL ELECTRIC COMPANY 2,960,814
GENESEGUES, INC. 2,959,660
GERBER, JOHAN 2,961,515
GERBER, MARTIN 2,963,351
GERNENTZ, RYAN SCOTT 2,962,627
GEYER, MICHAEL 2,961,653
GHASRIPOOR, FARSHAD 2,959,388
GIBIANSKY, ANDREW LEONIDOVICH 2,963,425
GIBLER, MARTIN 2,961,023
GILBERT, JAMES MICHAEL 2,960,083
GILEAD SCIENCES, INC. 2,953,820
GILEAD SCIENCES, INC. 2,954,056
GILEAD SCIENCES, INC. 2,955,249
GILL, JAGJIT SINGH 2,959,729
GINNOVEST PTY LTD 2,963,003
GIRAUD, JEAN-PIERRE 2,960,135
GIRAUD, WILLIAM JULIUS MCPHIL 2,959,509
GIRAUD, WILLIAM JULIUS MCPHIL 2,959,513
GIRAUD, WILLIAM JULIUS MCPHIL 2,959,620
GLOBAL MEDISAFE HOLDINGS LIMITED 2,963,334
GO, JOHNSON 2,959,416
GOLOBISH, THOMAS D. 2,963,458
GOMAA, ISLAM 2,963,010
GOTO, AKIRA 2,963,356
GRAHAM PACKAGING COMPANY, L.P. 2,963,483
GRAS, DAVID AIME PIERRE 2,957,648
GRAVES, WALTER VARNEY ANDREW 2,963,507
GRAY, LEE ANTONY 2,959,559
GRAZIER, THOMAS 2,961,023
GREEN, FRANCIS 2,963,313
GREENBANK, JONATHAN MARK 2,960,740
GREENEDEN U.S. HOLDINGS II, LLC 2,960,043
GREENFIELD, EDWARD ALVIN 2,963,464
GREENPACK GMBH 2,960,855
GREER, ROBERT W. 2,963,559
GREINER, DAN 2,961,690
GROSS, RALF 2,961,399
GROSSE BRINKHAUS, KARL-HEINZ 2,960,743
GROUIX, BRIGITTE 2,963,276
GROUIX, BRIGITTE 2,963,354
GROUIX, BRIGITTE 2,963,358
GSCHWIND, MICHAEL KARL 2,961,708
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. 2,963,509
GUERRY, PATRICIA 2,961,883
GUIJT, ROSANNE MARIEKE 2,963,005
HAAS, FLORIAN 2,955,594
HABERER, CHRISTOPH 2,962,509
HABIG, JEFFREY W. 2,962,964
HADLEY INDUSTRIES OVERSEAS HOLDINGS LTD. 2,959,839
HADLEY INDUSTRIES OVERSEAS HOLDINGS LTD. 2,959,843
HAFNER, MICHELLE 2,961,515
HAHN, STEPHEN M. 2,963,293
HAJ AYED, RIADH 2,962,818
HAKONARSON, SVERRIR 2,959,287
HALLBERG, ANDERS 2,963,012
HALLBERG, ANDERS 2,963,022
HALLIBURTON ENERGY SERVICES, INC. 2,963,073
HALLIBURTON ENERGY SERVICES, INC. 2,963,077
HALLIBURTON ENERGY SERVICES, INC. 2,963,231
HALLIBURTON ENERGY SERVICES, INC. 2,963,238
HALLIBURTON ENERGY SERVICES, INC. 2,963,378
HALLIBURTON ENERGY SERVICES, INC. 2,963,380
HALLIBURTON ENERGY SERVICES, INC. 2,963,385
HALLIBURTON ENERGY SERVICES, INC. 2,963,388
HALLIBURTON ENERGY SERVICES, INC. 2,963,482
HALLIBURTON ENERGY SERVICES, INC. 2,963,485
HALLIBURTON ENERGY SERVICES, INC. 2,963,499
HALLIBURTON ENERGY SERVICES, INC. 2,963,501
HALLIBURTON ENERGY SERVICES, INC. 2,963,505
HALLIBURTON ENERGY SERVICES, INC. 2,963,507
HALLIBURTON ENERGY SERVICES, INC. 2,963,629
HAMEL-PAQUET, JULIE 2,963,500
HAMERTON, RICHARD 2,959,416
HANAGAN, TED 2,961,023
HANEDA, ATARU (DECEASED) 2,963,217
HANNEMANN, CHRISTOPHER 2,963,265
HANNEMANN, CHRISTOPHER 2,963,266
HANSEN, IVER KLAVS RIISHEDE 2,963,300
HANSEN, JORGEN 2,963,300
HANSQUINE, DAVID JOSEPH WINSTON 2,958,324
HAQUE, IMRAN SAEEDUL 2,963,425
HARALDSSON, ALBERT INGI 2,959,287
HARKING, JULIAN 2,959,443
HARPHAM, LEWIS FREETH 2,957,903
HARTWIG, SVERKER 2,962,000
HAUSOTTE, TINO 2,961,701
HAY, GRAEME 2,963,010
HAYAKAWA, JUNJI 2,963,369
HE, JIANMIN 2,963,171
HEGELUND, JOSEFINE NYMARK 2,958,420
HEIN, JEFFERY W. 2,962,964
HELLER, LISA 2,961,690
HELLSTROM, STEFAN 2,959,461
HEMINK, DOUGLAS A. 2,960,601

HENDERSON, WILLIAM DAVID 2,963,077
HENRY COMPANY, LLC 2,959,739
HENTSCHEL, SEBASTIAN 2,961,399
HERAEUS KULZER GMBH 2,951,356
HERCULES LLC 2,963,521
HERMETIK HYDRAULIK AB 2,960,908
HERREMA, HILDE 2,954,539
HERTLEIN, HARALD 2,957,530
HESS, JOSEF 2,961,399
HESSELGESSER, JOSEPH E. 2,954,056
HESSONG, DAVID JOSEPH 2,959,509
HESSONG, DAVID JOSEPH 2,959,513
HESSONG, DAVID JOSEPH 2,959,620
HICKMOTT, RICHARD MORGAN 2,960,905
HILMARSSON, GUNNAR SIGVALDI 2,959,287
HINDRICHSEN, IDA 2,957,854
HIRAMOTO, YUUJI 2,963,467
HIRTENLEHNER, THOMAS 2,959,565
HITACHI METALS, LTD. 2,963,369
HLT, INC. 2,963,135
HOCKING, KYLE 2,961,195
HODI, F. STEPHEN 2,963,091
HODKINSON, TREVOR 2,959,736
HOELL, GREGORY WILLIAM 2,963,064
HOFF, KYLE CHISTOPHER 2,959,666
HOFFMAN, RONALD J. 2,960,405
HOFLAND, HANS 2,962,947
HOGUE, MIREILLE 2,963,579
HOHMANN, ALFRED 2,951,356
HOLLENBERG, TODD 2,960,043
HOLM, ANDRE 2,963,060
HOLST, THORSTEN 2,963,588
HOLSTI, LIISA 2,963,289
HOLT, JONATHON DARYLL 2,963,034
HOLVERSON, TODD EARL 2,959,678
HONDA MOTOR CO., LTD. 2,963,356
HOOGEVEEN, SWANIK MAAS 2,963,093
HOOK UP SOLUTIONS LLP 2,963,032
HORIMUKAI, TOSHIYUKI 2,963,356
HOSPICES CIVILS DE LYON 2,959,671
HOUGHTON-LARSEN, JENS 2,963,300
HRICISAK, KAROL 2,962,627
HSU, YANZHI 2,953,576
HUANG, CHI-YING 2,963,269
HUANG, WEI HSUAN 2,963,501
HUAWEI TECHNOLOGIES CO., LTD 2,953,609
HUAWEI TECHNOLOGIES CO., LTD. 2,963,320
HUAWEI TECHNOLOGIES CO., LTD. 2,963,504
HUAWEI TECHNOLOGIES CO., LTD. 2,963,580
HUBBARD, STEVE E. 2,961,511
HUBBARD, STEVE E. 2,961,513
HUBBARD, STEVE E. 2,961,515
HUBBELL INCORPORATED 2,963,295
HUBER, MARTIN 2,963,604
HUDON, STEPHANIE 2,962,964
HUDSON BAY HOLDING B.V. 2,963,055
HUFFENUS, ALEXANDRE 2,957,648
HUFFENUS, ALEXANDRE 2,957,731
HUGHES NETWORK SYSTEMS 2,962,577
HUGHES NETWORK SYSTEMS, LLC 2,963,119
HUISSOON, LEENDERT WILHELMUS CORNELIS 2,963,055
HULSKOTTER, FRANK 2,959,431
HUNDT, GREG ROBERT 2,963,385
HUNTER, CLIFFORD PAUL 2,954,981
HUNTER, TIMOTHY HOLIMAN 2,963,388
HUNTOON, NATHAN R. 2,963,064
HUSFELDT, MARTIN 2,961,399
HVID, NIELS 2,960,905
HYDRO-QUEBEC 2,963,500
HYVONEN, ANTTI 2,959,568
IANNOTTA, LEAHANN 2,963,111
IKEZAKI, YUMA 2,957,629
ILLINOIS TOOL WORKS INC. 2,959,374
ILLINOIS TOOL WORKS INC. 2,959,678
IMBERT, DELPHINE CAROLINE 2,962,947
IMCLONE, LLC 2,953,576
INDEPENDENCE OILFIELD CHEMICALS, LLC 2,959,503
INGRAM, AARON M. 2,959,393
INMARSAT GLOBAL LIMITED 2,960,091
INOUE, TAKU 2,963,461
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 2,953,259
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 2,959,671
INSTITUTE FOR CANCER RESEARCH D/B/A THE RESEARCH INSTITUTE OF FOX CHASE CANCER CENTER 2,963,422
INTERNATIONAL - DRUG - DEVELOPMENT - BIOTECH 2,959,671
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,961,690
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,961,705
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,961,708
INTERNATIONAL PARTNERSHIP FOR MICROBICIDES, INC. 2,963,034
INVACARE INTERNATIONAL SARL 2,960,363
IRFANULLA, SHARIEFF 2,963,213
ISCAR LTD. 2,959,773
ISCAR LTD. 2,959,774
ISHIKAWA, YUUKI 2,934,750
ITOH, MASAO 2,963,359
IVANOV, MAXIM GRIGORIEVICH 2,963,374
IVOSEVIC, MILAN 2,960,313
IZUMI WILLCOXON, MICHI 2,963,555
IZUMI, AKIKO 2,963,052
J.R. SIMPLOT COMPANY 2,962,964
JACKSON, THOMAS 2,962,577
JACKSON, TIMOTHY 2,963,064
JACOBI, CHRISTIAN 2,961,690
JACOBI, CHRISTIAN 2,961,708
JAEGER, HANS-JUERGEN 2,959,469
JANSEN, JOSEPH HARRY 2,953,053
JANSEN, JOSEPH HARRY 2,953,057
JARAND, MARK L. 2,963,444
JAVAHERIAN, KASHAYAR 2,963,464
JAYNES, JESSE M. 2,963,478
JENSEN, BENT BORG 2,958,602
JENSEN, LINE 2,958,420
JETZINGER, PETER 2,959,565
JEWETT, LAWRENCE E. 2,963,137
JIA, HUIJUE 2,963,013
JIANGSU HENGRUI MEDICINE CO., LTD. 2,963,581
JOHNS, KEVIN 2,963,264
JOHNSON, ALI CM 2,963,089
JOHNSON, GREGORY 2,959,601
JOHNSTON, ERIC 2,963,516
JONES, DIANNE 2,963,074
JONES, JERALD EDWARD 2,959,678
JONES, ROBERT 2,957,359
JONG, JAMES 2,963,119
JOUNG, J. KEITH 2,963,080
JUNK, KENNETH W. 2,963,309
KAANTA, JASON M. 2,963,481
KAGOSHIMA, YOSHIKO 2,963,359
KALEKO, MICHAEL 2,962,959
KAMINSKI, MARK EDWARD 2,963,171
KAMPE, ULF 2,962,000
KANAYAMA, TAKAMU 2,934,750
KANAZAWA, TOMOKO 2,963,465
KANG, DAEHOON 2,959,416
KAO, GARY D. 2,963,293
KAPKA-KITZMAN, DEIRDRE M. 2,963,608
KAPLAN, JOSHUA 2,953,820
KAPLAN, RICHARD A. 2,960,601
KARGL, HUBERT 2,962,508
KATSURAGI, SUSUMU 2,963,369
KAWAMORI, MOEKO 2,963,465
KAZANZIDES, PETER 2,960,725
KBA-NOTASYS SA 2,958,124
KBA-NOTASYS SA 2,959,603
KCI LICENSING, INC. 2,960,671
KEARSEY, STEPHEN 2,963,324
KEIL, CHRISTOPHER 2,960,180
KEIL, MICHAEL 2,960,180
KEILHACK, HEIKE 2,963,149
KEITH, AARON REX 2,957,903
KELLEY, JOHN 2,958,516
KELSO, CARL RYAN 2,961,912
KENYON, MATT 2,960,601
KEREN, DVIR 2,963,075
KERINS, FERGAL 2,963,571
KESTLY, MICHAEL J. 2,959,750

KETCHEM, RANDAL R. 2,956,726
KHAJURIA, CHITVAN 2,963,427
KHAN, AMMAR 2,960,091
KIKKAWA, FUMIHIRO 2,963,044
KILLICK, DAVID 2,959,567
KIM, DO HOON 2,963,348
KIM, HAN SUK 2,963,444
KIM, KYUNG MIN 2,963,059
KIM, MUSONG 2,953,820
KIMMERLE, MICHAEL 2,960,363
KIMURA, HIROFUMI 2,963,369
KIRKEROD, TROND 2,963,372
KITABAYASHI, KAZUO 2,963,359
KIYOTSUKA, YOHEI 2,963,359
KLEINSTIVER, BENJAMIN 2,963,080
KLINGLER, WAYNE 2,961,023
KNIGHT, BARRY ALAN 2,960,782
KNIGHTON, JOEL 2,963,583
KNOELLER, MICHAEL C. 2,963,086
KNORR-BREMSE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG 2,959,565
KOBENHAVNS UNIVERSITET 2,958,420
KODAMA, SHINJI 2,963,056
KOHEN, RAN ROLAND 2,963,134
KOHN, BERNHARD 2,960,742
KOLIOS, GRIGORIOS 2,958,101
KOMATSU LTD. 2,934,750
KOMURA, ATSUSHI 2,963,044
KONDO, MASATAKA 2,963,222
KONRADI, ANDREI 2,963,305
KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY 2,959,787
KOROLEV, NIKOLAY 2,960,043
KORSGAARD, JOHN 2,959,567
KOSIC, MICHAEL 2,963,578
KOSTIC, MARKO N. 2,960,740
KOUGE, TAKUYA 2,963,221
KOWA COMPANY, LTD. 2,962,562
KRAEGELOH, STEFAN 2,960,114
KRAINER, ADRIAN 2,963,288
KRAINKN, LLC 2,963,440
KRATSCHMER, MICHAEL 2,960,114
KRAUSE, THOMAS 2,955,594
KRIHELI, MARINO 2,963,349
KRISTJANSSON, HERMANN 2,959,287
KROGH, KRISTIAN BERTEL ROEMER M. 2,957,811
KROPF, JEFFREY, E. 2,955,249
KRUG, BRADLEY 2,960,043
KRZYSTANEK, KATARZYNA 2,963,300
KUBALA, JEFFREY PAUL 2,961,690
KUMAGAI, TORU 2,963,356
KUMAR, ARUNIM 2,957,903
KUMAR, SATHISH 2,963,300
KUNTZ, ACHIM 2,960,114
KUO, NAI-KUEI 2,961,645
KUROIWA, KEIJI 2,963,465
KUSTOM SIGNALS, INC. 2,963,299
KUWAHARA, HIROKI 2,963,356
KYB CORPORATION 2,963,221
LABAN, DAVID JAMES 2,963,505
LACERTA GROUP, INC. 2,963,137
LAFACE, DRAKE 2,957,722
LAGACE, MICHEL 2,963,156
LAHTEENMAKI, SAMI ANTERO 2,963,346
LAINE, PASI PETTERI 2,963,346
LANDGRAF, KYLE 2,963,274
LANE, DEBORAH 2,959,571
LARSEN, TOM 2,963,588
LARSSON, MIKAEL M. 2,963,012
LARSSON, MIKAEL M. 2,963,022
LARUE, CLAYTON T. 2,963,122
LASITER, JON BRADLEY 2,961,645
LAYNE, JANET 2,962,964
LAZAR, GABOR 2,963,148
LE DOUSSAL, JEAN-MARC 2,963,178
LE GOUILL, CHRISTIAN 2,963,579
LE HOLDINGS (BEIJING) CO., LTD. 2,937,604
LECERF, BRUNO 2,963,374
LEE, BENJAMIN HYUN 2,963,281
LEE, HYEONGKYU 2,959,787
LEE, SEUNG, H. 2,955,249
LEE, SU UI 2,959,787
LEE, TAEWEON 2,956,726
LEE, TERRY W.C. 2,963,287
LEE, YONGNAM 2,959,787
LEFFELMAN, BENJAMIN J. 2,962,946
LEFTLY, STEVEN 2,963,074
LEGGE, MATTHEW 2,963,569
LEGGE, MATTHEW 2,963,570
LEHNERT, FRANK 2,961,690
LEINGANG, EVAN 2,963,135
LELY PATENT N.V. 2,959,299
LEPINOUX-CHAMBAUD, CLAIRE 2,953,259
LETV SPORTS CULTURE DEVELOP (BEIJING) CO., LTD. 2,937,604
LEUNG, KELLY XIAOYU-CHEN 2,963,114
LEVEL 3 COMMUNICATIONS, LLC 2,963,241
LEVEL 3 COMMUNICATIONS, LLC 2,963,245
LEVEL 3 COMMUNICATIONS, LLC 2,963,264
LEVITATE TECHNOLOGIES, INC. 2,962,958
LEVY, JEFFREY 2,963,292
LEWIT, SCOTT 2,963,475
LFNB, LLC 2,959,814
LI, DALONG 2,937,604
LI, HUARONG 2,963,427
LI, JIAN 2,963,171
LI, WENJENG 2,961,352
LIANG, LINDA 2,957,722
LIEN, MORTEN 2,963,060
LILAKOS, LOUIS 2,963,291
LIN, AVI 2,963,482
LIN, AVI 2,963,485
LIN, CHEE LIP 2,961,614
LIN, RENHE 2,959,364
LINDE AKTIENGESELLSCHAFT 2,963,291
LINDGREN, JON 2,954,901
LINDHEIM, MICHAEL STEPHEN 2,963,266
LINDZEN, MOSHIT 2,959,716
LITTLE, DAVID J. 2,961,352
LIU, GARY 2,963,300
LIU, WENTAI 2,962,045
LIU, XIANG 2,963,504
LIU, YAOQUAN 2,963,300
LM WP PATENT HOLDING A/S 2,959,567
LO, JENNIFER, R. 2,955,249
LO, SUE B. 2,963,608
LOHBIHLER, ANDREW H. 2,963,578
LONG, ERIC 2,963,324
LONG, ROBERT L. 2,959,381
LONG, ROBERT L. 2,959,385
LONGMIRE, TYLER 2,963,281
LOPEZ, HENRY W. 2,963,478
LOPEZ, JAVIER SAN AGUSTIN 2,961,830
LORIMER, ADAM 2,963,265
LORIMER, ADAM 2,963,266
LOTFI, ALI 2,963,137
LOUGHNANE, BRIAN JOSEPH 2,959,431
LOVELL, MICHEL K. 2,963,309
LOWRIMORE, WALTER R. 2,959,381
LOWRIMORE, WALTER R. 2,959,385
LOWY, ISRAEL 2,960,890
LU, YIPENG 2,961,645
LU, YONG-CHEN 2,963,364
LUDOLPH, BJOERN 2,959,431
LUEDTKE, GREGORY R. 2,963,607
LUKASHEVA, VIKTORIYA 2,963,579
LUO, MARY ZIPING 2,954,287
LUTKEN, HENRIK VIK 2,958,420
M3AT SA 2,960,885
MA, FEIYU 2,963,373
MA, JIN 2,963,501
MAALIKAI, INC. 2,963,399
MAAS, STEFFEN 2,959,431
MAASS, HANS-JURGEN 2,958,101
MACDONALD, MICHAEL 2,963,292
MACHHAMMER, OTTO 2,958,101
MACKEY, SEAN 2,961,023
MACLEAN, KARON 2,963,289
MADSEN, CHRISTIAN HALD 2,958,420
MADSEN, SCOTT THOMAS 2,963,291
MAGNA INTERNATIONAL INC. 2,963,576
MAGUIRE, JARED ROBERT 2,963,425
MAKINSON, IAN DOUGLAS 2,963,229
MALCOLM, KARL 2,963,034
MALDONADO, MARK T. 2,963,064
MALIK, TAIMUR 2,963,348
MALPASS, LUKE 2,963,079
MAMAT, OLIVER 2,958,823
MANGAN, KILE P. 2,957,801
MANN, MARK DIETRICH 2,959,678
MAO, YUFENG 2,953,609
MARSON, PAUL DAVID 2,957,903
MARTIN, DAVID W. 2,963,274
MARTIN, DUSTIN WAYNE 2,962,627
MARTIN, GEORGE R. 2,963,478

MARTIN, JEREMY GRANT 2,959,388
MARUMOTO, SHINJI 2,953,881
MARUS, GREGORY ALAN 2,963,560
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 2,963,470
MASTERCARD INTERNATIONAL INCORPORATED 2,961,511
MASTERCARD INTERNATIONAL INCORPORATED 2,961,513
MASTERCARD INTERNATIONAL INCORPORATED 2,961,515
MATSUNAGA, HIRONORI 2,963,359
MAY, PRESTON A. 2,963,073
MBL LIMITED 2,959,698
MCAFFER, IAN G. C. 2,963,313
MCAULEY, ALASTAIR EDWIN 2,963,229
MCCARTHY, KEITH EDWARD 2,954,600
MCCOY, CLARE 2,963,034
MCFARLANE, RONALD 2,963,628
MCGAUGH, TIMOTHY DEAN 2,963,287
MCLOUGHLIN, MARTIN JOHN 2,960,782
MCMANUS, MATTHEW 2,963,088
MCMURROUGH, CHRISTOPHER D. 2,963,421
MEDIMMUNE LIMITED 2,959,571
MEDRI, MARIO W. 2,959,800
MEDTRONIC XOMED, INC. 2,961,352
MEDWEAR B.V. 2,963,471
MEFFERT, MICHAEL WAYNE 2,963,430
MELBOUCI, MOHAND 2,963,521
MELIKIAN, MARK FREDERIC 2,963,266
MENNE, RALF 2,958,823
MERCK SHARP & DOHME CORP. 2,957,722
MERINO, EDWARD J. 2,963,278
MERTANI, HICHEM CLAUDE 2,959,671
MESCHKAT, STEPHAN JAMES ANDREAS 2,952,177
METAL ONE CORPORATION 2,963,456
MIDDLETON, MATTHEW B. 2,963,421
MILBAT - GIVING QUALITY TO LIFE 2,963,072
MILORA, NINA 2,957,854
MILTON ROY EUROPE 2,959,874
MIMS, MICHAEL J. 2,960,135
MISSELHORN, GRAHAM 2,963,003
MITCHELL, SCOTT, A. 2,955,249
MIYAMOTO, KATSUNORI 2,957,629
MIYAZAKI, YASUNOBU 2,963,056
MIZIOCH, GREGORY J. 2,963,069
MOENS, WIM 2,960,516
MOENS, WIM 2,960,700
MOFFITT, MICHAEL A. 2,962,055
MOFIN S.R.L. 2,957,617
MOGNA, GIOVANNI 2,957,617
MOKKAPATI, ANUPAMA 2,957,359
MOLLAAGHABABA, REZA 2,963,464
MOLONEY, GRANT 2,963,567
MONDIALE TECHNOLOGIES LIMITED 2,963,062
MONGRAIN, YVON 2,963,574
MONKIEWICZ, CHRISTOPHER M. 2,963,008
MONSANTO TECHNOLOGY LLC 2,963,122
MONTABERT 2,960,226
MONTEIRO, MARIO ARTUR 2,961,883
MOREAU, CHLOE 2,963,111
MORIMOTO, TEPPEI 2,963,177
MORITA, TAKAHIRO 2,963,356
MORREY, BERNARD FRANCIS 2,959,729
MORRIS, JOHN DAVID 2,963,430
MORSS, RANDOLPH EUGENE 2,963,019
MOTOCUT OY 2,963,177
MOXEN, JOAKIM 2,963,368
MUHLHAUSSER, JURGEN 2,959,459
MULLER, JOHANNES 2,956,877
MULLER, RENATE PETRA BRIGITTE 2,958,420
MULLOY, JAMES 2,963,278
MURALI, MUTHUSWAMY PANCHAPAGESA 2,963,300
MURPHY, BRIAN 2,959,736
MURPHY, DIARMAID 2,963,034
MURPHY, SEAN V. 2,963,273
MUTTON, WAYNE 2,963,576
MYOVOLT LIMITED 2,963,074
NADUTHAMBI, DEVAN 2,953,820
NAGAO, KOJI 2,963,052
NAGEOTTE, JEFFREY R. 2,963,122
NAKAGAWA, JUNICHI 2,963,467
NAKAMOTO, HIKARU 2,963,465
NAMITO, TOMONORI 2,963,369
NARVA, KENNETH E. 2,963,427
NATES, ROY JONATHAN 2,963,229
NATIONAL CANCER CENTER 2,963,359
NATIONAL OILWELL VARCO DENMARK I/S 2,963,588
NATIONAL YANG MING UNIVERSITY 2,963,269
NATREON, INC. 2,963,277
NAWROCKE, KELLY 2,963,088
NAZARUK, IEVGENII 2,963,367
NEC CORPORATION 2,963,338
NEGISHI, TAKAYUKI 2,963,048
NELSON, ANDREW MICHAEL 2,963,486
NELSON, ANDREW MICHAEL 2,963,489
NELSON, ANDREW MICHAEL 2,963,494
NELSON, ANDREW MICHAEL 2,963,495
NEOMED, INC. 2,959,393
NERZ, BERND 2,961,690
NEUENDORF, MAX 2,960,114
NEUMARK, RALF 2,959,469
NEVALEAK HOLDINGS LIMITED 2,963,042
NEWBY, C. MARK 2,960,313
NEWTON, CHRISTOPHER 2,963,264
NEXTEK POWER SYSTEMS, INC. 2,963,150
NGK SPARK PLUG CO., LTD. 2,963,044
NI, YUAN 2,963,340
NIEDERMEIER, ANDREAS 2,960,114
NIELSEN, BEATRICE 2,958,602
NIELSEN, HENRIK B. 2,958,034
NIEMAN, JAN 2,963,560
NIESIG, SILKE 2,955,594
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,963,056
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,963,361
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,963,467
NISHIBATA, HITOMI 2,963,361
NITINOTES LTD. 2,963,075
NIXON, RONALD THOMAS 2,963,114
NOAKES, AARON 2,959,491
NOERGAARD, JAN VAERUM 2,958,602
NOK CORPORATION 2,963,222
NORRIS, DEBORAH JANE 2,960,782
NORTHROP GRUMMAN SYSTEMS CORPORATION 2,961,588
NOVA SOUTHEASTERN UNIVERSITY 2,963,525
NOVADAQ TECHNOLOGIES INC. 2,963,450
NOVARTIS AG 2,963,281
NOVARTIS CONSUMER HEALTH S.A. 2,959,601
NOVARTIS TIERGESUNDHEIT AG 2,958,032
NOVELIS INC. 2,959,416
NOVOZYMES A/S 2,957,811
NOXELL CORPORATION 2,955,459
NOXELL CORPORATION 2,955,594
NUCCIO, MICHAEL L. 2,958,767
O'CONNELL, DANIEL 2,962,947
O'GRADY, KEVIN 2,963,576
O'NEILL, JASON C. 2,956,726
OBERHOFF, MARKUS 2,960,743
OCKHAM RAZOR VENTURES, LLC 2,963,635
ODENWALD, RALF 2,953,281
ODERKERK, JEROEN 2,959,461
OGAWA, TAKAYUKI 2,963,221
OGAWARA, YOKO 2,963,359
OGD2 PHARMA 2,963,178
OH, SEI-RYANG 2,959,787
OHLSSON, CHRISTER 2,957,854
OKADA, SHUUJI 2,963,461
OLEYNIK, MARK 2,959,698
OLSEN, ANDREAS 2,958,420
OOSTERHEERT, JOHAN 2,963,471
OPTASENSE HOLDINGS LIMITED 2,958,516
ORTHOCELL LIMITED 2,963,000
ORTHOCELL LIMITED 2,963,002
ORTIZ, EDISON U. 2,963,287
ORTIZ-CORDOVA, MONICA 2,963,291
OSISEK, DAMIAN 2,961,690
OSTLUND, MARTIN 2,963,368
OTSUKA, KEIJI 2,963,356
OTT, GUNTHER 2,960,743
OVERSTREET, JAMES L. 2,962,599
OXENKNECHT, ERNEST A. 2,959,750
OZCAN, UMUT 2,954,539
PAHL, MOTHUSI 2,963,266
PANCHAWAGH, HRISHIKESH VIJAYKUMAR 2,961,645

PANDORA A/S 2,959,559
PANGBORN, ROBERT J. 2,960,135
PARADKAR, VIDYADHAR 2,953,177
PARALLOY LIMITED 2,959,837
PARALOX AB 2,963,368
PARASZCZAK, JOHN STANLEY 2,963,019
PARDINI, GIONATA 2,959,803
PARHAM, TATE RAY 2,963,547
PARKER, MICHAEL H. 2,963,090
PATEL, LEENA 2,953,820
PATEL, TAPAN 2,963,266
PAUTRAT, FRANCOIS 2,958,032
PAZHIANUR, RAJESH 2,963,111
PEARSON, ALLEN 2,962,947
PENCE, MATTHEW G. 2,962,964
PENSLER, JAY 2,963,398
PEREZ, RUBEN HECTOR 2,963,466
PERREAULT, STEPHANE 2,953,820
PERRET, JEAN-LUC 2,958,032
PERRIER, MATTHIEU YOANN 2,963,487
PESETSKI, AARON A. 2,961,588
PETERSON, JOHNATHAN EDWARD 2,963,486
PETERSON, JOHNATHAN EDWARD 2,963,489
PETERSON, JOHNATHAN EDWARD 2,963,494
PETERSON, JOHNATHAN EDWARD 2,963,495
PFIZER INC. 2,953,996
PHILIPSEN, MORTEN 2,959,567
PHILLIPS, GARY 2,953,820
PICHE, PATRICK 2,963,154
PICHE, PATRICK 2,963,156
PICHE, PATRICK 2,963,159
PIEL, TANJA 2,959,461
PINKHAM, JEROMY 2,959,491
PINZON-ORTIZ, MARIA CONSUELO 2,963,281
PIONEER HI-BRED INTERNATIONAL, INC. 2,954,970
PIONEER HI-BRED INTERNATIONAL, INC. 2,954,981
PIONEER HI-BRED INTERNATIONAL, INC. 2,963,480
PIONEER HI-BRED INTERNATIONAL, INC. 2,963,550
PIONEER HI-BRED INTERNATIONAL, INC. 2,963,555
PIONEER HI-BRED INTERNATIONAL, INC. 2,963,608
PIRON, CAMERON 2,963,571
PIRON, CAMERON ANTHONY 2,963,283
PLACIK, OTTO J. 2,963,398
PLASCO ENERGY GROUP INC. 2,963,010
PLUNKETT, THOMAS P. 2,959,750
POCKET SKY OG 2,961,653
POLAND, BRAD 2,963,550
POLLACK, JACK 2,963,093
POLYPID LTD. 2,963,370
POLYPLASTIC GROEP B.V. 2,959,493
POPP, FRIEDRICH 2,957,530
POTAPENKO, DMITRIY IVANOVICH 2,963,374
POULIS, SPIRO 2,963,392
POULSEN, ANETTE 2,963,348
POULSEN, HANNE DAMGAARD 2,958,602
POWAR, RAHUL 2,963,516
POWER, WILLIAM 2,963,264
POWERBYPROXI LIMITED 2,957,903
PRATT, BENJAMIN ANDREW 2,960,671
PRC-DESOTO INTERNATIONAL, INC. 2,959,364
PRESS, EFREM 2,954,901
PRESS, JORDAN 2,954,901
PROCHAZKA, ANDREW ANTONY 2,963,626
PROCHAZKA, SAMUEL WILLIAM 2,963,626
PROMETHERA BIOSCIENCES S.A./N.V. 2,958,851
PROMETIC BIOSCIENCES INC. 2,963,276
PROMETIC BIOSCIENCES INC. 2,963,354
PROMETIC BIOSCIENCES INC. 2,963,358
PRZYBILLA, SILKE 2,960,743
PURNAPATRE, KEDAR PADMAKAR 2,953,881
PURVIS, LAFE J., II 2,953,820
QUALCOMM INCORPORATED 2,958,324
QUALCOMM INCORPORATED 2,961,645
QUANTAPORE, INC. 2,963,604
QUE, QUIDENG 2,958,767
QUINLAN, DEVIN 2,963,470
RAAB, MICHAEL R. 2,963,148
RABE, THOMAS ELLIOT 2,952,177
RABINOWITZ, AVRAHAM 2,963,072
RADICCI, SIMONA 2,957,617
RAGHUNATHAN, GOPALAN 2,957,722
RAGNARSSON, ANDERS 2,963,302
RAINS, KEVIN THOMAS 2,963,440
RAJAN, SAMARTH 2,963,421
RAJEEV, DUTT 2,963,553
RAJEEV, DUTT 2,963,609
RAM, YOHANA 2,963,072
RANGASAMY, MURUGESAN 2,963,427
RANKIN, ROBIN CUNNINGHAM 2,963,391
RASMUSSEN, NINA NICOLINE 2,963,300
RAVISHANKAR, CHANNASANDRA 2,963,119
RAWAS-QALAJI, MUTASEM 2,963,525
READ, ANDREW C. 2,963,122
REC SOLAR PTE. LTD. 2,958,256
REEPMEYER, GERRIT 2,963,635
REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG 2,959,459
REGELINK, FRANK GERARD 2,959,299
REGENERON PHARMACEUTICALS, INC. 2,960,890
REICHARD, RONNAL 2,963,475
REID, STEPHEN 2,963,046
REILLY, KATELYN ELIZABETH 2,963,114
REISCH, HELGE ALFRED 2,954,600
REITZ, ALLEN B. 2,963,090
RELL, JOHN GILBERT, JR. 2,961,705
REMET CORPORATION 2,963,019
REN, XIAOJUN 2,963,171
RENESCIENCE A/S 2,958,034
REPHAELI, EDEN 2,962,967
RESEARCH CORPORATION TECHNOLOGIES, INC. 2,963,556
REUSS, MARKUS 2,961,399
REYNOLDS, JEFFERY, S. 2,961,061
RHEEM MANUFACTURING COMPANY 2,959,381
RHEEM MANUFACTURING COMPANY 2,959,385
RHOADES, VALERIE LISA 2,959,678
RHODES TECHNOLOGIES 2,954,600
RHODIA OPERATIONS 2,963,111
RHONEY, BRIAN KEITH 2,959,509
RHONEY, BRIAN KEITH 2,959,513
RHONEY, BRIAN KEITH 2,959,620
RICCIARDI, ROBERT P. 2,963,090
RICE, JANET 2,963,480
RICHARDS, WILLIAM MARK 2,963,077
RICHEY, KIMBERLY 2,959,324
RICHMOND, JOSHUA LEE 2,963,283
RIPTIDE BIOSCIENCE, INC. 2,963,478
RISTOCK, HERBERT WILLI ARTUR 2,960,043
RITE TASTE, LLC 2,963,464
RITHCO PAPERTEC GMBH 2,958,823
RITTER, ANDREAS 2,958,823
ROADTEC, INC. 2,963,301
ROANE, THOMAS OWEN 2,963,077
ROBBINS, PAUL F. 2,963,364
ROBERTSON, ALEXANDER DE JONG 2,963,425
ROBROEK, MONIQUE ELIZABETH FRANCISCA 2,959,493
ROCHAL INDUSTRIES, LLC 2,963,114
RODRIGUEZ, DIANA 2,959,509
RODRIGUEZ, DIANA 2,959,513
RODRIGUEZ, DIANA 2,959,620
RODRIGUEZ, FRANKLIN CHARLES 2,963,231
ROGERS, JOSEPH W. 2,960,135
ROGNESS, JOE B. 2,963,583
RONG, XIANHUI 2,963,281
RONG, ZHIGANG 2,963,320
ROOKE, TODD 2,963,583
ROOS, JOSEPH W. 2,963,430
ROSENBERG, STEVEN A. 2,963,364
ROSGAARD, LISA 2,958,034
ROSS, COLBY MUNRO 2,963,077
ROSSI, EMILIANO 2,962,543
ROSTAN, PHILIPP JOHANNES 2,958,256
ROURE, FREDERIC 2,955,552
ROWE, MATHEW DENNIS 2,963,507
ROWE, NATHAN WILLIAM 2,963,036
ROWE, NATHAN WILLIAM 2,963,038
ROYAL BANK OF CANADA 2,963,287
RUPPERT, KLAUS 2,951,356

RYOO, BYUNG-HWAN 2,959,787
RYU, HYUNG WON 2,959,787
SAENZ, JORGE IVAN 2,963,071
SAFETY QUICK LIGHTING & FANS CORP. 2,963,134
SAFRAN AIRCRAFT ENGINES 2,963,487
SAGONA, PETER J. 2,960,135
SAINT-GOBAIN PERFORMANCE PLASTICS PAMPUS GMBH 2,959,469
SAITO, HIRONAO 2,963,359
SAITO, SHOICHI 2,963,359
SALAMONE, ANN BEAL 2,963,114
SALAMONE, JOSEPH CHARLES 2,963,114
SALAZAR, CLARA 2,961,515
SALCIARINI, CHRISTIAN 2,957,163
SAMMOURA, FIRAS 2,961,645
SANDVIK INTELLECTUAL PROPERTY AB 2,962,506
SANDVIK INTELLECTUAL PROPERTY AB 2,962,508
SANDVIK INTELLECTUAL PROPERTY AB 2,962,509
SANDVIK INTELLECTUAL PROPERTY AB 2,963,012
SANDVIK INTELLECTUAL PROPERTY AB 2,963,022
SANTA CRUZ PHARMACEUTICALS, INC. 2,959,800
SASISEKHARAN, RAM 2,963,470
SASMAL, PRADIP KUMAR 2,953,177
SAURIN, JEAN-CHRISTOPHE 2,959,671
SAVARINO, STEPHEN 2,961,883
SAVIAN, SCOTT 2,963,324
SCHACHERL, JEFF 2,961,023
SCHAEDE, JOHANNES, GEORG 2,959,603
SCHAEFFLER TECHNOLOGIES AG & CO. KG 2,959,462
SCHAERER AG 2,963,428
SCHARES, JUSTIN ANDREW 2,954,970
SCHARES, JUSTIN ANDREW 2,954,981
SCHARTING, STEFAN 2,959,462
SCHECTOR, LUNA P. 2,963,266
SCHEIRER, ANDREW ROBERT 2,963,458
SCHENK, CHRISTOPHER P. 2,955,931
SCHERZ, GEORG 2,962,509
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THE NIELSEN COMPANY (US), LLC	2,961,303
TOADA, YOSHIYUKI	2,955,957
TYNDALL, DAVID VIVIAN	2,961,890
URNOV, FYODOR	2,962,856
VAINIO, JANI	2,962,519
VAINIO, PETRI	2,962,519
VAN DER POEL, LUCAS LEO DESIREE	2,962,217
VARNEY, MARK	2,957,667
VIIV HEALTHCARE COMPANY	2,955,957
VOGT, SEBASTIAN	2,942,385
VUORIO, PAEIVI	2,962,519
WAN, JULIN	2,943,451
WAN, JULIN	2,943,510
WANG, NINGJUN	2,962,800
WESSEL, THOMAS	2,957,667
WILKINSON, H. SCOTT	2,957,667
WORDEN, SARAH E.	2,962,856
XENON PHARMACEUTICALS INC.	2,956,647
YORK, ALLAN BRENT	2,962,217
YOSHIDA, HIROSHI	2,955,957
ZSISKA, MARIANNE	2,961,890